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Accelerated Shelf Life Determination of Antioxidant Stabilized High Oleic Sunflower and Canola Oils in Plastic Bottles

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ABSTRACT

Accelerated Shelf Life Determination of Antioxidant Stabilized
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Vegetable oil is an important commodity; however, the majority of commercially available vegetable oils have a fairly short shelf life, which limits their usefulness for long term food storage, disaster relief, space travel, food aid programs, and military rations. Vegetable oils with high oleic acid and reduced linolenic acid contents, especially with added antioxidant combinations, were previously found to have significantly longer oil stability index (OSI) values than traditional vegetable oils. This study used accelerated shelf life testing to estimate the ambient shelf life of high oleic sunflower oil (HOSUN) and high oleic canola oil (HOCAN), each containing 1,000 ppm ascorbyl palmitate, 200 ppm tertiary butyl hydroquinone, and 200 ppm mixed tocopherols. Oils were stored in the dark in low density polyethylene (LDPE), or polyethylene terephthalate (PET) bottles at 30, 40, 50, and 60°C. Control samples were stored in the dark in glass bottles at -50°C. Testing included peroxide values, qualitative headspace volatile analysis, descriptive sensory analysis, and consumer sensory acceptance. The estimated shelf life was calculated from the change in overall acceptance score over time using the Q_{10} method. The stabilized HOCAN in PET bottles was estimated to have a shelf life at ambient temperature of 6.8 years, while oil stored in LDPE bottles had an estimated shelf life of only 2.7 years. The estimated shelf life of HOSUN at room temperature in PET is 2.6 years and in LDPE is 0.88 years.

Keywords: Accelerated shelf life testing, oleic acid, vegetable oil, storage, descriptive analysis

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Introduction

Fats and oils have always been an important component of diets; and increasing prosperity and development of countries is leading to even greater use of fats and oils as components of food (Warner and Eskin 1995). Man (2002) reports high standards for the quality and safety of foods are becoming more predominant throughout the world. Consumers are concerned with how long a food will last in their home before it goes bad, manufacturers are concerned with how long a product can stay on the shelves, and government agencies are concerned with how long the food will maintain its labeled attributes. Accurately determining the shelf life of a product is an important, albeit difficult, requirement for food labeling and specifications. The stability of oils is important to understand for quality reasons and for safety reasons, because some products of oil degradation can be toxic (Pike 2003). Vegetable oil with a long shelf life could be useful for long term space flight, in food-aid rations, or for long-term emergency food storage (Merrill and others 2008).

Oil shelf life is principally affected by its susceptibility to autoxidation, which is determined in large part by its fatty acid composition (Broadbent and Pike 2003; McClements and Decker 2008; Merrill and others 2008). Traditionally, the majority of commercially available vegetable oils have a fairly short shelf life. Oils with modified fatty acid compositions have been developed on the premise that oils with fewer polyunsaturates produce oils with greater stability to oxidation (Warner and others 2001; Merrill and others 2008).

High Oleic Oils

Genetic modification of oilseeds to yield vegetable oils with greater stability to autoxidation has led to the development of oils in which oleic acid replaces a significant percentage of the linolenic and linoleic acid fatty acid moieties. Oleic acid is a monounsaturated fatty acid, which is more stable to oxidation than polyunsaturated fatty acids (McClements and Decker 2008). Oils with high amounts of oleic acid are more stable to oxidation reactions than other vegetable oils with higher amounts of polyunsaturated fatty acids. Many of the studies on high oleic oils center on thermal stability to oxidation. Studies of frying with higher oleic oils reveal the stability of the oil during frying and of the food in storage after frying (Warner and others 1997; Marmesat and others 2005; Smith and others 2007; Warner and Fehr 2008;

Matthaus and others 2009; Warner and Moser 2009). Marmesat and others (2005) reported high oleic sunflower oil showed excellent performance during frying of almonds, peanuts, and sunflower seeds and additionally provided a protective coating to these products when stored post frying.

Although high oleic oil is more stable in a frying application, frying experiments revealed the desirable flavors of fried foods are lacking in foods fried with high oleic oils and negative off flavors can be produced during the frying process (Warner and Mounts 1993; Warner and others 1994; Warner and others 1997; Neff and others 2000; Warner and others 2001; Matthaus and others 2009). Plastic, fruity, acrid, grassy, and other undesirable flavors, produced during frying with high oleic oils, were investigated by Neff and others (2000) using model systems of triolein and trilinolein. The predominant compounds present in the heated triolein were hexanal, octanal, (E)-2-decenal, nonanal, and (E)-2-undecenal. The amount and intensity of negative volatile compounds produced in trilinolein were much lower than in triolein. Warner and others (2001) looked at the same triolein and trilinolein model system to understand the lower production of deep fried odor in high oleic oils. Heated trilinolein produced (E, E)-2,4-decadienal, 2-heptenal, 2-octenal, 2,4-nonadienal, and 2,4-octadienal giving a classic deep fried flavor. In triolein low levels of deep fried flavor were detected based on the production of low levels of 2,4-decadienal, 2,4-undecadienal, 2,4-nonadienal, and 2-octenal.

A few studies have looked at the oxidative stability of high oleic acid oils. One study stored high oleic sunflower oil for 5 days at 55°C and determined it had higher oxidative stability than regular sunflower oil, based on peroxide values and production of volatile compounds (Smith and others 2006). Another study with sunflower oils varying in ratio of oleic/linolenic acid looked at the induction period of oxidation at ambient temperature (Martin-Polvillo and others 2004). This study found the rate of formation and amount of oxidized triglyceride decreased as the ratio of oleic/linoleic acid increased.

Previously, Merrill and others (2008) showed that high oleic sunflower and canola oils with combinations of antioxidants had very long Oil Stability Index (OSI) values compared to traditional oils with similar antioxidant combinations (Merrill 2007; Merrill and others 2008). OSI values are very useful for prediction of relative stability of oil, but do not give information on actual shelf life, or on how the oil changes as it deteriorates (Pike 2003). Additionally, Kodalie (2005) showed OSI is more valuable for oils that are not very stable to autoxidation. OSI clearly shows that high oleic oils are stable to oxidation,

however the long run times of highly stable oils makes the OSI values less accurate as to the actual stability of the oil.

Studies with high oleic oils have shown that the oils are stable to frying, produce less characteristic deep fried aroma and more negative flavors during or after frying, and are stable to oxidation. Gaps in the literature include determination of shelf life and causes of off-flavor development during oxidation. The objective of this study was to estimate the shelf life of the high oleic oil and antioxidant combinations, that Merrill defined as optimum, using accelerated storage conditions designed to allow prediction of shelf life at ambient or other temperatures.

Accelerated Shelf Life Testing

As the objective of this study was to evaluate shelf life, it is important to first define what shelf life is. Man (2002) defines shelf life as the period of time, under defined conditions of storage, for which a food product will retain its desired sensory, chemical, physical, functional, or microbiological characteristics. When studying the shelf life of oil, it is important to take into consideration all the factors that will contribute to degradation. Real-time storage studies are difficult to perform due to the time required for high-stability oil to deteriorate. Accelerated storage tests have been developed to increase the rate of deterioration and shorten the time required to achieve significant changes in quality, thus enabling extrapolation of deteriorative rates to expected storage temperature (Labuza and Schmidl 1985).

During storage tests, indicatory measurements are taken to determine the rate of deterioration during storage. Labuza and Schmidl (1985) report that analytical tests during an accelerated shelf life test must be based on the mode of deterioration of the test product in order to be valid indicators of degradation. Choice of test should be established based on what is reported in the literature. Testing includes specific chemical analyses and sensory evaluation to determine the end of shelf life.

Oxidative rancidity is the primary mechanism that affects stability of properly processed and packaged vegetable oils. Shelf life of vegetable oil is dependent on many factors: fatty acid content, temperature of storage, exposure to light, presence of free-fatty acids, oxygen concentration, presence of antioxidants, and presence of pro-oxidants (Nawar 1998; McClements and Decker 2008). To understand what tests would be best to perform over the course of the study, some background on oxidation of vegetable oils, specifically oils with a high content of oleic acid, is required.

Autoxidation

Autoxidation of fatty acids produces many different compounds. Primary oxidation products further break down into secondary oxidation products, which can be both volatile and non-volatile (Nawar 1996). Autoxidation consists of three main stages: initiation, propagation, and termination. The initiation stage involves abstraction of a hydrogen molecule from an unsaturated fatty acid, forming an alkyl radical. Resonance of the radical across the double bond results in the double bond shifting position on the molecule. The propagation stage begins when oxygen adds to the alkyl radical, forming a peroxyl radical. The high energy peroxyl radical can then abstract hydrogen from another molecule, resulting in the peroxyl radical becoming a fatty acid hydroperoxide. If the hydrogen donating molecule was a fatty acid, abstraction of its hydrogen results in a new alkyl radical, which continues the oxidation cycle. Termination occurs when two radical species combine, forming a non-radical (Nawar 1996; McClements and Decker 2008).

The hydroperoxides formed during the propagation reactions are primary oxidation products, and will decompose to form secondary oxidation products. When hydroperoxides decompose, they can form additional radicals, such as alkoxyl radicals, that can then undergo β-scission reactions. This is the main pathway whereby the volatile compounds perceived as rancidity are produced. Alkoxyl radicals lead to the β-scission reaction because they are higher in energy than either alkyl or hydroxyl radicals. The high energy state of the alkoxyl radical is enough to abstract an electron from the neighboring covalent bond; cleaving the aliphatic chain resulting in two smaller molecules. The products of this β-scission decomposition depend on fatty acid composition and location of the hydroperoxide in the molecule. The many variables in this reaction lead to production of hundreds of secondary oxidation products (McClements and Decker 2008).

Analyzing Oxidized Oil

The quality of oil at different stages during the stability test, can be determined by various analytical methods: induction period measurements, headspace oxygen measurements, peroxide value, descriptive sensory analysis, and analysis of headspace volatiles (Yang and others 2005; McClements and Decker 2008). The choice of test(s) depends on the reasons for the study and the information desired.

Chemical analyses coupled with sensory methods of testing provide the greatest amount of information possible (Warner and Nelsen 1996; McClements and Decker 2008).

Chemical Analyses

Induction period measurements are useful for predicting oxidative stability of oil but do not assess the extent of oxidation. Induction period analyses measure the time required to achieve a predetermined value for one or more lipid oxidation parameters, under accelerated conditions (Richards and others 2005). OSI is one such method, which uses continual recording of conductivity data to determine length of time to reach the end of the induction period (Broadbent and Pike 2003). OSI determines the induction period by bubbling purified air through an oil sample held at 110°C, passing the volatile compounds produced into a distilled deionized (dd) water trap. Conductivity of the dd water is measured continuously, producing a plot of lipid oxidation over time (Pike 2003). The value of OSI is in its ease of use and its fast return of results, which provide answers to potential stability. Despite its usefulness in determining relative stability, OSI is not suitable for precise studies of shelf life (Broadbent and Pike 2003; Richards and others 2005; Merrill and others 2008).

The peroxide value (PV) measures hydroperoxides formed as primary products of oxidation. PV can be used to determine the initial extent of oil deterioration, and is commonly used in both industry and academia (Labuza and Schmidl 1985; McClements and Decker 2008; Merrill and others 2008). Sample preparation involves dissolving the oil sample in a solution of acetic acid or chloroform. There are many methods of determining peroxides in the oil, the most common being with iodimetric titration. Problems with iodimetric methods have been reported, but largely can be overcome through standardization of experimental conditions (Robards and others 1988). In iodimetric titration methods, iodine, formed from the reaction of iodide with peroxides, is titrated with a sodium thiosulfate solution. The PV is reported as milliequivalents of peroxide per kilogram of sample (Firestone and others 2004).

The PV is only valuable as a measure in the early stages of oxidation, as the peroxides break down very quickly to secondary products. Measurement of secondary oxidation products becomes important as the the peroxides begin to break down. One method to quantify secondary oxidation products is to measure the low molecular weight, volatile products formed from the peroxides. Measuring elicited volatile compounds is very useful; as these compounds are directly responsible for the off odors and flavors in

oxidized oil, and the results correlate well with sensory analysis data (Warner and Eskin 1995; Warner and Nelsen 1996; McClements and Decker 2008). Volatile, secondary lipid oxidation products are typically measured by gas chromatography (GC).

One approach to measuring volatile compounds is to allow samples to come to equilibrium in a closed container. The volatile compounds from the sample collect in the headspace (HS) of the container. The gas from above the equilibrated sample is then drawn and injected into the column of a GC to analyze the compounds present (Warner and Eskin 1995; Warner and Nelsen 1996; Richards and others 2005). There are several well established techniques for performing HS analysis using GC such as: static HS sampling, dynamic HS sampling, and solid-phase microextraction (SPME) (Warner and Nelsen 1996; Richards and others 2005). Static HS and SPME methods are frequently used, because cleaning of the instrument between sample injections is not required and very little sample is required. SPME is ideally suited for use with foods as it saves preparation time, has been successful in extraction of volatile and semi-volatile organic compounds from many food samples, and has low detection limits (Kataoka and others 2000).

Kataoka and others (2000) explain how to perform HS SPME. The sample is placed in a vial and sealed with a septum-type cap. The SPME needle pierces the septum and the fiber is extended through the needle into the gaseous phase above the sample. After a period of extraction time, the fiber is drawn back into the needle, the needle is extracted from the septum, and inserted directly into the injection port of the GC. The fiber is heated to release the analyte, which is transferred directly to the column for analysis. SPME has been used successfully for detection of volatile oxidation products in many lipid products including sunflower oil (Keszler and others 1998; Keszler and others 2000; Doleschall and others 2001), olive oil (Vichi and others 2003a,b), and pine seed oil (Tammela and others 2003).

Sensory Analysis Methods

Descriptive Analysis

Descriptive sensory analysis uses a panel of trained individuals working together with a common frame of reference to give an accurate description of a product (Munoz and Civille 1998). Traditionally, descriptive analysis of oil has been done using AOCS Recommended Practice Cg 2-83 Flavor Panel Evaluation of Vegetable Oils (Warner and Eskin 1995; Warner and Nelsen 1996; Firestone and others

2004). With traditional descriptive analysis training methods, extensive training is required before a panel becomes a reliable sensory instrument. A study done by Chambers and others (2004) looked at some traditional panel training methods and reported 60-65 hours of training were required before the panel was able perform with limited variance. Descriptors that are more difficult to scale could require up to 125 hours of training. This extensive amount of training time makes use of descriptive panels rather cumbersome. In recent years, research has been done to improve panel training techniques, by utilizing information gained from research on psychological learning methods (Castura and others 2005; Castura and others 2006; Findlay and others 2006; Findlay and others 2007; Findlay and Fortune 2009; Casale and others 2009). Findlay and Fortune (2009) have reported that panels trained using Compusense® Feedback Calibration Method (FCM®) can be trained in a product area within 20 hours.

Compusense® FCM® uses information from category-learning research to provide feedback to panelists within 2.5 seconds of making a choice (Findlay and Fortune 2009). Maddox and Ashby (2004) showed category-learning is enhanced when a reward or signal indicating a reward is presented intermittently during testing, immediately following a correct response. The reward or signal, if given within 2.5 seconds of making a choice, stimulates dopamine release from several areas in the brain stem. When the reward signal and subsequent dopamine release occur in rapid succession, the dopamine release actually reinforces the synapse that just fired. Reinforcing the synapse increases the likelihood that the choice which led to the reward will be made again (Maddox and Ashby 2004).

As important as timing is for category-learning, the frequency with which feedback is given is equally important. Intermittent rewards indicating the panelist was correct will increase dopamine levels, strengthening the synapse. Conversely, intermittently letting the panelist know when they have made an incorrect decision will inhibit dopamine release and weaken the synapse that led to that choice, thus helping to prevent future incorrect decisions (Casale and others 2009). Findings have shown that intermittent, immediate, computerized feedback acts as a reward for correct decisions helping train new panels and improve already proficient panels, while reducing training time (Findlay and others 2006; Findlay and others 2007). Using this approach, immediate computer feedback has been successfully used in training descriptive panels (Findlay and others 2006; Findlay and others 2007).

Use of descriptive panels in storage studies is important to determine how the flavor changes over time. Use of descriptive panels for evaluation of traditional (not high oleic) vegetable oil is well documented (Warner and Eskin 1995; Warner and Nelsen 1996; Firestone and others 2004). Despite its usefulness as an analytical tool, descriptive determination of the flavor profile of the oil as it oxidizes will not predict when the oil will become unacceptable to consumers. Significant changes can take place in descriptive rating without translating into a significant difference in consumer acceptability (Lee and Resurreccion 2006). The purpose of any storage study is to determine the point in time that the product has become either unsafe or unacceptable to consumers. Other sensory tests are required to determine the latter (Man 2002).

Consumer Acceptance

Affective tests, either acceptance or preference, are typically performed in conjunction with a descriptive panel and are the ultimate test of the oxidative state of oil (Stone and Sidel 1985). All other analytical tests, including descriptive analysis, must agree with consumer acceptance studies to be considered valid test methods (Warner and Eskin 1995; Warner and Nelsen 1996; Broadbent and Pike 2003; McClements and Decker 2008). Acceptance testing presents untrained consumers with products to elicit hedonic scores, scores that describe how much the consumer likes or dislikes a sample. When doing storage studies, with a large number of samples, it is possible to perform multiple panels and use different panelists in each panel (Lee and Resurreccion 2006).

Affective data is useful in determining the shelf life of a product when stored samples are rated for key attributes along with control samples, which have been stored under conditions to prevent deterioration (Meilgaard and others 2007). There are many methods of collecting acceptance data. Although some concerns have been raised about using the 9-point hedonic scale, it has a long history of being an important tool in consumer testing (Hein and others 2008). Different consumer acceptance methods, including the 9-point hedonic scale, were evaluated by Hein and others (2008) to compare the methods for discriminability, consumers' ability to complete the task, and the methods' practicality. All the methods tested were found to be comparable with the specific product tested. The 9-point hedonic scale has been found to work well at eliciting responses in shelf life studies on various products (Lloyd and others 2004; Neilson and others 2006; McEwan and others 2005; Chapman and others 2010).

Stone and Hammond (1983) showed that an emulsion, like mayonnaise, is a good carrier product for sensory testing of oil. An emulsion, like mayonnaise, makes a good carrier for panelists to evaluate oil because mayonnaise uses a large amount of oil, panelists are more familiar with eating mayonnaise than straight oil, and panelists are able to taste more samples when the oil is in an emulsion without experiencing sensory fatigue.

Materials and Methods

Samples

Freshly refined, bleached, and deodorized (RBD) samples of high oleic sunflower oil (CV) and high oleic Canola oil (CV 75) were provided by Cargill (Cargill Inc., Idaho Falls, ID). Two lots of each oil type were sent in one shipment at the beginning of the study. The shipment consisted of a five gallon tote for each lot of oil (4 totes total). The oil was shipped to Brigham Young University, and immediately stored at 5°C for two days before antioxidants were added and the oil repackaged. Antioxidants, as determined by Merrill and others (2008), were obtained from Danisco (Danisco A/S Copenhagen, Denmark) and stored at 5°C until use. Antioxidants were added at the supplier recommended levels as reported by Merrill and others (2008): 1,000 ppm for ascorbyl palmitate, 200 ppm for tertiary butyl hydroquinone (TBHQ), and 200 ppm for mixed tocopherols. The acronym HOCAN will refer to CV 75 High Oleic Canola Oil combined with the antioxidants, and the acronym HOSUN will refer to CV High Oleic Sunflower Oil combined with the antioxidants.

Oil was measured into clean, dry containers; the antioxidants were added in combination and incorporated with stirring for 10 min as described by Merrill and others (2008). Once the antioxidants were dissolved, the oil was repackaged for storage. Each variant (HOCAN and HOSUN) and lot of oil was divided into 59 ml low density polyethylene (LDPE), polyethylene terephthalate (PET), and glass bottles. A small number of 15 ml glass bottles of both oil varieties were stored for monitoring purposes to determine when sensory sampling should begin. Due to the higher surface to volume ratio, the small bottle size used in this study makes it a worst case scenario.

Sample Storage and Overall Study Design

Upon receipt of the oil, initial analyses included PV, OSI before antioxidant addition, OSI after antioxidant addition, aroma and flavor evaluation, and fatty acid analysis. Samples in the LDPE and PET bottles were stored at 4 different temperatures: 30°, 40°, 50°, and 60°C. Samples were stored out of the light in temperature controlled chambers. At all times the samples were held and stored in the dark to prevent oxidation from light exposure. Once bottled, the oil samples were stored at -50°C until being moved to the temperature controlled, accelerated storage chambers. Oil in glass bottles served as controls and remained at -50°C until evaluated, throughout the duration of the study.

A preliminary accelerated shelf life test of HOCAN and HOSUN, conducted by Merrill (2007), was used to estimate how long the samples should be stored and how often samples should be analyzed. In Merrill's study, the PV of samples stored at 60°C was monitored for several months; change was imperceptible in the samples until at least eight weeks of storage.

Storage of samples at elevated temperatures was begun in a staggered method. Samples to be stored at lower temperatures were pulled from frozen storage, and moved to the test condition prior to samples to be stored at higher temperatures. Initially the 30°C samples were put into storage, six weeks later samples were started at 40°C, another eight weeks later the 50°C samples were started, and finally another five weeks later the 60°C samples were started. The staggering of the storage start times, was designed to have the samples in the different temperatures reach similar oxidative states at approximately the same time, to facilitate sensory testing.

Samples were pulled for PV analysis regularly throughout the study. As the descriptive panel became proficient in oil rancidity measurement, samples were also submitted to the descriptive panel to obtain their aroma and flavor profiles. Once rancidity in the test samples began to be observable to the descriptive panel, regular sampling was initiated to take place every other week, for eight weeks. Once the descriptive panel began to report onset of rancidity, samples were evaluated for PV, descriptive profile, and HS volatiles. Lee and Resurreccion (2006) reported samples not evaluated immediately during a storage study were stored in cold storage until evaluated. Following this precedent, at each sampling time, samples were removed from elevated storage and held in the -50°C freezer until they could be evaluated in

consumer acceptance tests. The staggered initiation times minimized the amount of time samples were held frozen prior to evaluation.

Oxidative Stability Index

OSI values were initially determined for the oils both with and without the antioxidants added, using AOCS Official Method Cd 12b-92 (Firestone and others 2004), using the Oxidative Stability Instrument (Omnion, Inc. Rockland, MA). The instrument was run using a 5.00 ± 0.2 g oil sample, a heating block temperature of 110°C; purified air was bubbled through the oil at 6 psi. Probes, rubber stoppers, and connecting glass and tubes were washed prior to use in a 1% Micro-90 detergent solution (International Products Corporation Burlington, NJ), boiled 30 min, scrubbed, rinsed with distilled water, followed by rinsing with dd water. The tubes were placed in a dd water bath for 1 hour and rinsed again with dd water before being allowed to air dry under a cover.

Fatty Acid Composition

Oil samples were prepared for determination of the fatty acid composition using the sodium methoxide method of methyl ester preparation (Qian 2003). Analysis was done with a HP 6890 series GC equipped with an HP 7683 series sample injector. Chromatography was performed, using a 60 m x 250 µm x 0.15 µm film thickness, J&W DB-23 column with helium carrier gas at a flow rate of 2.1 ml/minute. Oven temperature was ramped from 50°C to 175°C at a rate of 25°C/minute and from 175°C to 230°C at a rate of 4° C/minute with 1.0 min initial hold time and 5.0 min final hold time. The gas flow was split with a ratio of 50:1. The injection port was 250°C with pressure of 33.09 psi. The detector was a flame ionizing detector (FID) at a temperature of 280°C. Fatty acids were compared to Fatty Acid Methyl Ester Standard 606, 50 mg std/5 ml hexane (Nu-Chek Prep, Inc., Elysian, MN).

Peroxide Values

PVs were measured in triplicate according to AOCS Method Cd 8b-90, modified according to Merrill (2008) to be consistent with industry practice. The method was modified by adding the starch indicator solution to the sample immediately before beginning titration.

Sensory Analysis

Descriptive Analysis

A 19 member panel (thirteen females, seven males) was recruited from a database of university employees and students; panelists were selected based on their willingness and ability to evaluate oxidized oil. Approval for use of human subjects was obtained from the Institutional Review Board (IRB), at Brigham Young University and the panelists provided informed consent. Samples were received by pass-through compartments in individual booths using Compusense® *five* (Compusense, Guelph, Ont., Canada) software for data collection. Panelists were rewarded with treats at the end of each training or data collection session and monetarily in the middle and at the end of the study.

Training was performed using the FCM® method of descriptive panel training (Findlay and others 2006; Findlay and others 2007). Computerized ballots with line scales were used to evaluate specific attributes for each sample (Castura and others 2005). During the regular flow of the computerized ballot, immediate graphical feedback was given to the panelists with no further instruction from the panel leader (Findlay and others 2006). The graphical feedback helped the panelists learn the attributes, how to scale them, and whether or not their scores fell within the acceptable range for an attribute of the product. Targets and ranges used for feedback were established based on previous evaluations by these panelists (Findlay and Fortune 2009).

The panel was trained at the Brigham Young University Sensory Laboratory on the oxidative aroma and flavor attributes of green, paint, fish, sulfur, and pine using an oil lexicon developed by Warner and Eskin (1995) and abbreviated by Merrill (2007). As the panel became familiar with traditional and high oleic oils, it became apparent that the abbreviated lexicon was inadequate for the high oleic samples. Panelists and the researcher developed additional descriptors to adequately describe the flavors/aromas developing in the oils. The additional descriptors were solvent, cardboard, fruity/floral, musty, and stale nut. The descriptors matched well with undesirable aromas described in heated triolein (Neff and others 2000).

Samples were prepared using 4 ml transfer pipettes (Globe Scientific Corp., Paramus, NJ) to distribute about five ml of oil into 15 ml plastic soufflé cups with lids (Solo Cup Co., Highland Park, IL) which were served at ambient temperature. Samples were served under red lighting, to prevent their

identification based on visual cues, as some of the oils used in training were very different in appearance. Panelists were trained using fresh unrefined oils, oxidized unrefined oil, fresh RBD oil, oxidized RBD oil, and fresh oil spiked with 6% cod liver oil (Arista Industries Inc., Wilton, CT) and 0.08% hexanal (Sigma-Aldrich Corp., St. Louis, MO).

All samples, except a labeled fresh high oleic oil reference (stored at -50°C until the night before the panel), were served with three digit blinding codes. Samples were served side-by-side with all attributes for one product being addressed before the panelist moved on to the next sample. Responses to presence and amount of each descriptor were given on an unstructured line scale anchored at none (zero) and very strong (100). Panelists were instructed to first smell the sample and rate the intensity of the aroma attributes. Once panelists entered all information on aroma attributes, they were instructed to taste the sample ad libitum by holding the sample in their mouth for at least five seconds while evaluating. In between oil samples, panelists were instructed to rinse the oil from their mouth with carbonated water (Sundance Beverage Co. Warren, MI), a bite of unsalted saltine cracker, and finally to rinse with bottled water (Aqua One, Orem, UT) to refresh their palettes. Empty cups were provided for expectoration of oil and rinse water.

Panelists were calibrated at each data collection session by having a labeled fresh reference sample in addition to a calibration sample labeled with a three digit blinding code. Calibration samples were either a fresh, blinded sample or a previously identified, oxidized, blinded sample. Panels were conducted once or twice a week, with no more than four sessions conducted per day. Panelists evaluated five samples during each session.

Consumer Acceptance Panel

A full factorial design was implemented to determine acceptability of oil samples, tested in the form of mayonnaise on bread. To do this 32 panels, each consisting of 50-56 panelists, were conducted at the Brigham Young University Sensory Laboratory. Panelists were recruited from a database of university employees and students and were selected based on their willingness to evaluate mayonnaise. Both genders were equally represented with approximately equal representation among age categories from age 20 to 60 years. The study was approved by the university IRB and panelists provided informed consent.

Panels were conducted once or twice a week over a 4 week period, with no more than 4 sessions being conducted on any given day. All samples were served with 3 digit blinding codes. Evaluations were conducted with questions being presented one at a time on a computer screen using Compusense® *five* (Compusense, Guelph, Ont., Canada) software for data collection. Panelists were rewarded monetarily at the end of each tasting session. Panelists evaluated the mayonnaise for overall acceptance using a discrete 9-point hedonic scale, where 9=like extremely, 5=neither like nor dislike, and 1=dislike extremely. Samples were presented using a Williams design to balance the order of presentation (Macfie and others 1989).

Mayonnaise was made by pasteurizing together 32.76 g egg yolk (Rocky Mountain Eggs, Ripon, CA), 20.10 g lemon juice (Mott's Inc., Stamford, CT), 20.08 g bottled water (AquaOne, Orem, UT), and 1.01 g non-iodized salt (Carey Salt Company, Jeanerette, LA). The emulsion was formed by slowly adding 206.05 g of the test oil to the pasteurized egg mixture using a KitchenAid KHB100OB variable speed immersion blender (KitchenAid, St. Joseph, MI) set to speed 5.

In each panel, panelists received five samples side-by-side. After a short break, panelists were reassigned to a new booth where they received five more samples. Each panel evaluated mayonnaise samples from one lot of oil, one type of packaging, stored at one temperature for differing amounts of time, plus a control sample. Samples were received in pass-through compartments in isolated booths. Each panelist received five samples (four time-related oil samples plus control) of between 3.5 ± 0.3g of mayonnaise in 15 ml plastic soufflé cups with lids (Solo Cup Co., Highland Park, IL). The panelists were given five taster spoons, instructed to spread the mayonnaise on pieces of bread, and evaluate only the mayonnaise not the bread. In between mayonnaise samples, panelists were instructed to rinse their mouth with distilled water and take a bite of unsalted cracker to refresh their palettes. Empty cups were provided for expectoration.

Volatile Analysis

Volatile compounds were analyzed based on the SPME method outlined by Lloyd and others (2009), and modified to give better separation of the peaks. Chemical standards and methanol were obtained from Sigma (Sigma-Aldrich Corp., St. Louis, MO). Ten (10.0) µl of internal standard (81 ppm 2-methyl-3-heptanone in methanol) were added to 4.0 g of oil to give a final concentration of 0.2 ppm 2-

methyl-3-heptanone. Samples were measured and evaluated in 20 ml clear, glass, HS vials with 18 mm magnetic screw caps (Sun-SRI, Rockwood, TN). Sample vials were held in a heating block at 40° C for 20 min to equilibrate. A Supelco 50/30 µm DVB/Carboxen™/PDMS StableFlex™ for Autoholder gray 1 cm SPME fiber (Sigma-Aldrich Corp., St. Louis, MO) was inserted and exposed 31 mm into the heating block for an additional 30 min followed by injection into the GC for 300 seconds at a depth of 50 mm.

Analysis was done using SPME with HP 6890 *plus* GC equipped with an HP 5973 mass spectrometer (MS). Chromatography was performed using a 30 m x 250 µm x 0.25 µm film thickness, J&W DB-5 MS column with helium carrier gas at a flow rate of 1.0 ml/minute. Oven temperature was ramped from 30°C to 125°C at a rate of 5°C/minute and from 125°C to 270°C at a rate of 30°C/minute with 15 min initial hold time and three min final hold time. MS conditions were: 230°C source, 150°C Quad, 1506 resulting EM voltage, 14 minute solvent delay, with acquisition mode set to scan.

Volatile compounds were identified using the NIST 05 mass spectral library (Natl. Inst. of Standards and Technology, Gaithersburg, MD) and by comparison to mass spectra of authentic standard compounds injected under the same conditions.

Estimating Shelf Life

Although not typically reported as a rate equation, in order to be useful, the data from an accelerated storage study must be able to be extrapolated from one time/temperature condition to another. The Arrhenius or the Q_{10} model is used for this purpose. The Q_{10} value defines that an increase in 10°C will increase the rate of reaction by the Q_{10} factor (Eskin and Robinson 2001). Equation 1 defines the Q_{10} factor Where R is the rate of the reaction and T is the temperature of the reaction in °C (Labuza and Schmidl 1985).

Equation 1: Q_{10} Equation

$$Q_{10} = \left(\frac{R_2}{R_1}\right)^{\left(\frac{10}{T_2 - T_1}\right)}$$

The subscript relates the rate to the temperature at which it was measured. The rate is calculated from the change in a target quality factor being measured in a given time. For this study, the rate is the amount of time it takes for the overall acceptance score for mayonnaise made from stored oil to decrease by a specified amount. R_1 is the rate at T_1 and R_2 is the rate at T_2. Another way to think of the Q_{10} equation (see

Equation 2) is to think of it as the shelf life at one temperature compared to the shelf life at another temperature.

Equation 2: Modified Q_{10} Equation

$$Q_{10} = \left(\frac{ShelfLife_2}{ShelfLife_1}\right)^{\left(\frac{10}{T_2 - T_1}\right)}$$

A cutoff to determine the end of shelf life, that has been successfully used by NASA and other researchers when conducting shelf life studies, is a 20% reduction in overall acceptability hedonic score compared to the control sample (Lloyd and others 2004; McEwan and others 2005; Neilson and others 2006; Chapman and others 2010). Using the cutoff of a 20% decrease in overall acceptability, the slope of the overall acceptability can be used to determine an estimate of shelf life. The Q_{10} factor has been used successfully in the determination of shelf life for many products (Man 2002).

Statistical Analysis

Data were analyzed for significance using Statistical Analysis System 9.2 software (SAS Institute, Cary, NC). Principal Components Analysis (PCA) was run on all variables, as stated in the results section. Consumer acceptance data on overall acceptance were analyzed using analysis of variance (ANOVA) with a Bonferroni adjustment used to determine significant differences, defined as $p<0.01$ (Ramsey and Schafer 2002). The overall acceptance hedonic score was set as the dependent variable and the sample storage time as the independent variable.

Results and Discussion

Initial Oil Composition and Quality

Table 1 shows the analyses of the HOCAN and HOSUN initially received from the supplier. The aroma and flavor were tested and found to be bland and typical of fresh RBD oil samples. The OSI values, both before and after antioxidant addition, were slightly higher than those of Merrill and others (2008), who reported OSI values of 47.8 hours for HOCAN and 55.7 hours for HOSUN after antioxidant addition. This difference could in part be from the somewhat different fatty acid profile and lower PV of the oils used in this study compared to those used by Merrill and others (2008) in their study.

Table 1: Initial analyses of HOCAN and HOSUN with comparisons to traditional (Merrill 2007) canola and sunflower oils

	Oil Type			
Fatty Acid (weight %)	HOCAN	Canola	HOSUN	Sunflower
C14:0	0.05%	0.0%	0.06%	<0.1%
C16:0	0.18%	5.1%	2.87%	6.2%
C16:1	3.19%	0.3%	0.07%	0.0%
C18:0	1.88%	2.3%	2.66%	4.8%
C18:1	78.13%	54.4%	79.95%	25.1%
C18:2	9.27%	21.5%	2.73%	58.0%
C18:3	2.95%	10.1%	3.56%	1.6%
OSI (before antioxidant addition)	20.07	-	22.97	-
OSI (after antioxidant addition)	62.72	-	78.87	-
Peroxide Value	0.03	-	0.06	-

Principal Component Analysis

Initial analysis of the oils indicated that the RBD high oleic oils started out with a bland flavor profile that is typical of traditional RBD vegetable oils. To help explain the changes in the high oleic oils as they were stored, a principal components analysis was used to sort the PV, descriptive, consumer acceptance, and GC MS data into categories. PCA is a way to identify linear combinations of variables (principal components) that together account for as much of the variability in the results as possible, when there are multivariate responses (Ramsey and Schafer 2002).The objective is to systematically identify meaningful relationships from a multivariate data set.

The information from the principal component analysis helps to show what factors in the oil cause acceptance of the oil to change as it oxidizes. As little work has been done on storage studies of high oleic oil, the analysis of oxidative products in the GC was done qualitatively rather than quantitatively. Amounts of the compounds were relative amounts, based on an internal standard. . The PCA was used to help identify which volatile compounds were most influential in producing off-flavors in stored high oleic oil.

The HOSUN and HOCAN were evaluated in separate PCAs, as it is likely that different compounds are produced during oxidation. Scree plots and eigenvalues were used to determine how many of the principal components should be included. For both HOSUN and HOCAN, over 50% of the variability could be attributed to three principal component. The eigenvalues, percent variability explained, and cumulative percent variability explained by each principal component can be seen in Table 2. Both oils are shown on one table for simplicity, however separate analyses were run for each oil type, and numbered principal components for each oil type represent different combinations of variables.

Table 2: eigenvalues and variability explained by the principal components

	Principal Component	eigenvalue	% Variability	Cumulative % Variability
HOCAN	1	11.47	32.79%	32.79%
HOCAN	2	3.97	11.34%	44.13%
HOCAN	3	2.98	8.52%	52.65%
HOSUN	1	10.57	30.21%	30.21%
HOSUN	2	6.62	18.90%	49.11%
HOSUN	3	3.03	8.65%	57.76%

To determine which variables were significant in the principal components, the absolute value of 0.2 was selected as the cutoff for the eigenvectors. Table 3 shows the principal components with the associated significant variables and the eigenvectors of the HOCAN PCA. Positive eigenvectors can be understood to be increasing and negative eigenvectors can be understood to be decreasing. A dash in a cell indicates the variable was not significant for that principal component .

For the HOCAN analysis the significant variables in principal component 1 were a combination of 6 volatile compounds, 2 descriptive analysis aromas, 1 descriptive analysis flavor, and the overall acceptance score. The significant variables in principal component 2 were 9 volatile compounds and a descriptive analysis flavor. The significant variables in principal component 3 were 2 volatile compounds, 2 descriptive analysis aromas, and 2 descriptive analysis flavors.

Table 3: HOCAN PCA Significant Variables

Variable	Principal Component 1	Principal Component 2	Principal Component 3
hexanal	0.261	-	-
2-heptanal	0.259	-	-
octanal	-	0.349	-0.230
2-octanal	0.258	-	-
octanone	-	0.217	-
heptanoic acid	-	0.265	-
nonanal	-	0.326	-0.202
nonanol	0.233	-	-
2-decanone	-	0.255	-
2,4-nonadienal	-	0.248	-
nonanoic acid	0.215	0.261	-
undecanal	0.217	0.281	-
2-decenal	-	0.208	-
Paint Aroma	0.222	-	-
Fish Aroma	-	-	0.276
Sulfur Aroma	-	-	-0.214
Paint Flavor	0.248	-	-
Fish Flavor	-	-	0.378
Sulfur Flavor	-	-0.215	-
Solvent Flavor	0.205	-	-
Musty Flavor	-	-	0.387
Overall Acceptance	-0.215	-	-

Looking at a biplot of the first 2 principal components can help to visualize what factors are responsible for changes in HOCAN over the length of storage (see Figure 1). The red circles represent the measured variables. An uppercase letter A in a variable name represents aroma from the descriptive analysis and an uppercase letter F in a variable name represents flavor from the descriptive analysis. The blue triangles represent samples and how they fall in relation to the measured variables. The samples are coded with a letter, four numbers, and a letter. The first letter is an uppercase C for HOCAN, the first 2 numbers represent the temperature of storage, the second two numbers represent the amount of time stored in weeks, and the last letter is either an uppercase L for LDPE packaging or an uppercase P for PET packaging.

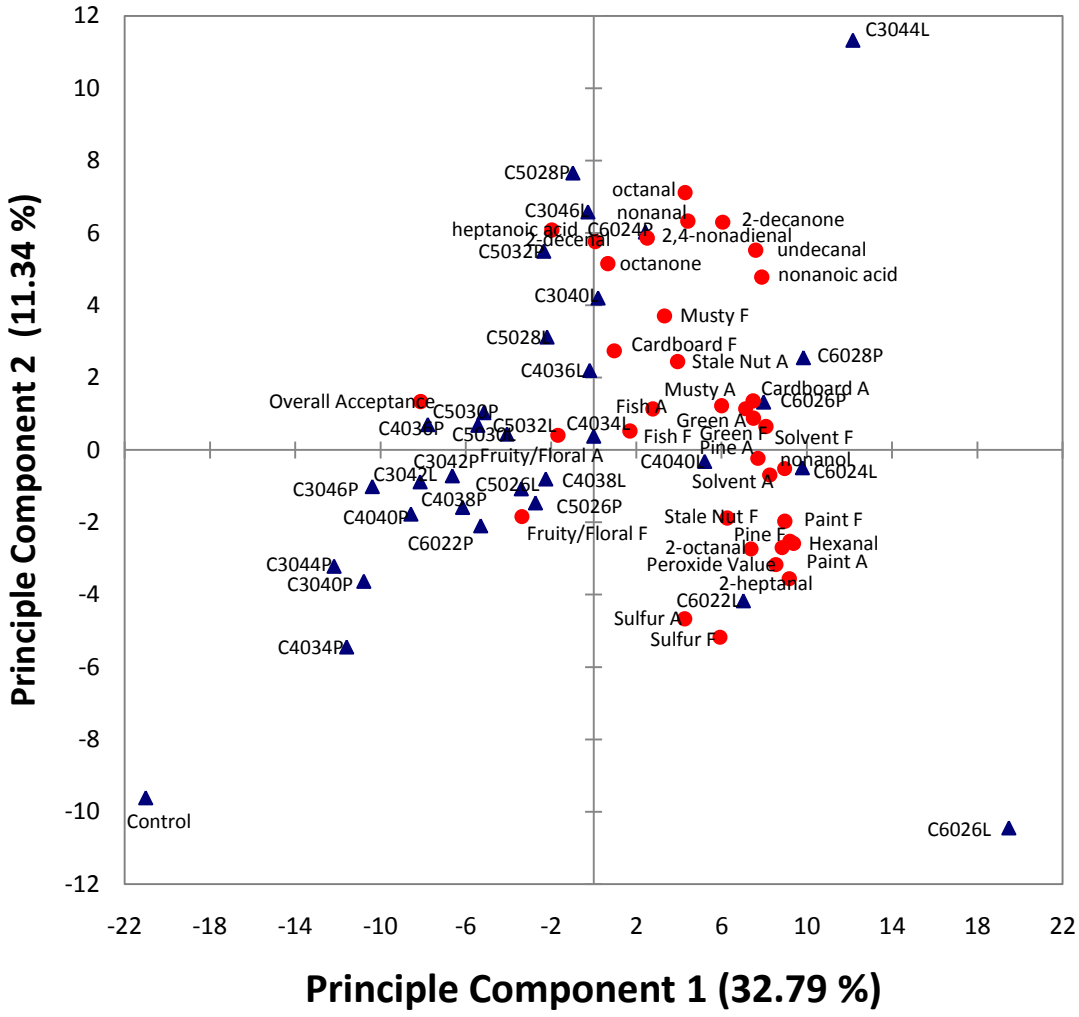


Figure 1: HOCAN PCA biplot of principal component 2 on principal component 1

The X axis represents the 1st principal component which accounts for 32.79% of the total variability, while the Y axis represents the 2nd principal component with accounts for 11.34% of the total variability. The differences right to left are thus about 3 times more influential than differences top to bottom. The further from the origin the measured variables (red dots) are, the more influential in the system they are. The variables found to be significant are further away from the origin than are the variables that were not significant. The samples (blue triangles) are distributed around the variables that characterize them. The closer a sample is located to a measured variable the more that variable was reported in the sample.

Of note in the plot is the control sample which is located on the bottom left corner of the graph being closer to the overall acceptance than to any other variable. Moving right across the plot it can be seen that in general the samples begin to have higher temperatures and longer storage times as they are positioned further right on the plot. One other thing of note with this plot is that LDPE samples become more concentrated on the right side of the plot, indicating that LDPE samples were more likely to be characterized by the compounds, flavors, and aromas of lipid oxidation.

The absolute value of 0.2 was selected as the cutoff for the eigenvectors to determine which variables were significant in the PCA for the HOSUN samples as well as the HOCAN samples. Table 4 shows the principal components with the associated significant variables and the eigenvectors of the HOSUN PCA. Positive eigenvectors can be understood to be increasing and negative eigenvectors can be understood to be decreasing. A dash in a cell indicates the variable was not significant for that principal component.

For the HOSUN analysis principal component 1 is a grouping of 11 of the volatile compounds measured with GC MS. Principal component 2 is a grouping of descriptive analysis variables 5 of the aromas and 5 of the flavors. Principal component 3 a grouping of 1 volatile compound, 2 descriptive analysis aromas, 3 descriptive analysis flavors, and the overall acceptance of the samples.

Table 4: HOSUN PCA Significant Variables

Variable	Principal Component 1	Principal Component 2	Principal Component 3
hexanal	0.297	-	-
2-heptanal	0.274	-	-
octanal	0.293	-	-
2-octanal	0.299	-	-
heptanoic acid	-	-	0.363
nonanal	0.295	-	-
nonanol	0.291	-	-
2-decanone	0.292	-	-
2,4-nonadienal	0.274	-	-
nonanoic acid	0.297	-	-
undecanal	0.295	-	-
2-decenal	0.249	-	-
Paint Aroma	-	0.327	-
Green Aroma	-	0.277	-
Solvent Aroma	-	0.303	-
Cardboard Aroma	-	-	0.379
Fruity/floral Aroma	-	0.240	-
Musty Aroma	-	0.216	0.271
Paint Flavor	-	0.341	-
Green Flavor	-	0.301	-
Pine Flavor	-	0.310	-
Fish Flavor	-	-	0.203
Sulfur Flavor	-	0.230	-
Solvent Flavor	-	0.256	-
Cardboard Flavor	-	-	0.299
Musty Flavor	-	-	0.353
Overall Acceptance	-	-	-0.386

Figure 2 is a biplot of the 1st 2 principal components to help visualize the system of the HOSUN over the length of storage. The red circles represent the measured variables and how they fall in the system. An uppercase letter A in a variable name represents aroma from the descriptive analysis and an uppercase letter F in a variable name represents flavor from the descriptive analysis. The blue triangles represent samples and how they fall in relation to the measured variables. The samples are coded with a letter, 4 numbers, and a letter. The 1st letter is an uppercase S for HOSUN, the first two numbers represent the temperature of storage, the 2nd two numbers represent the amount of time stored in weeks, and the last letter is either an uppercase L for LDPE packaging or an uppercase P for PET packaging.

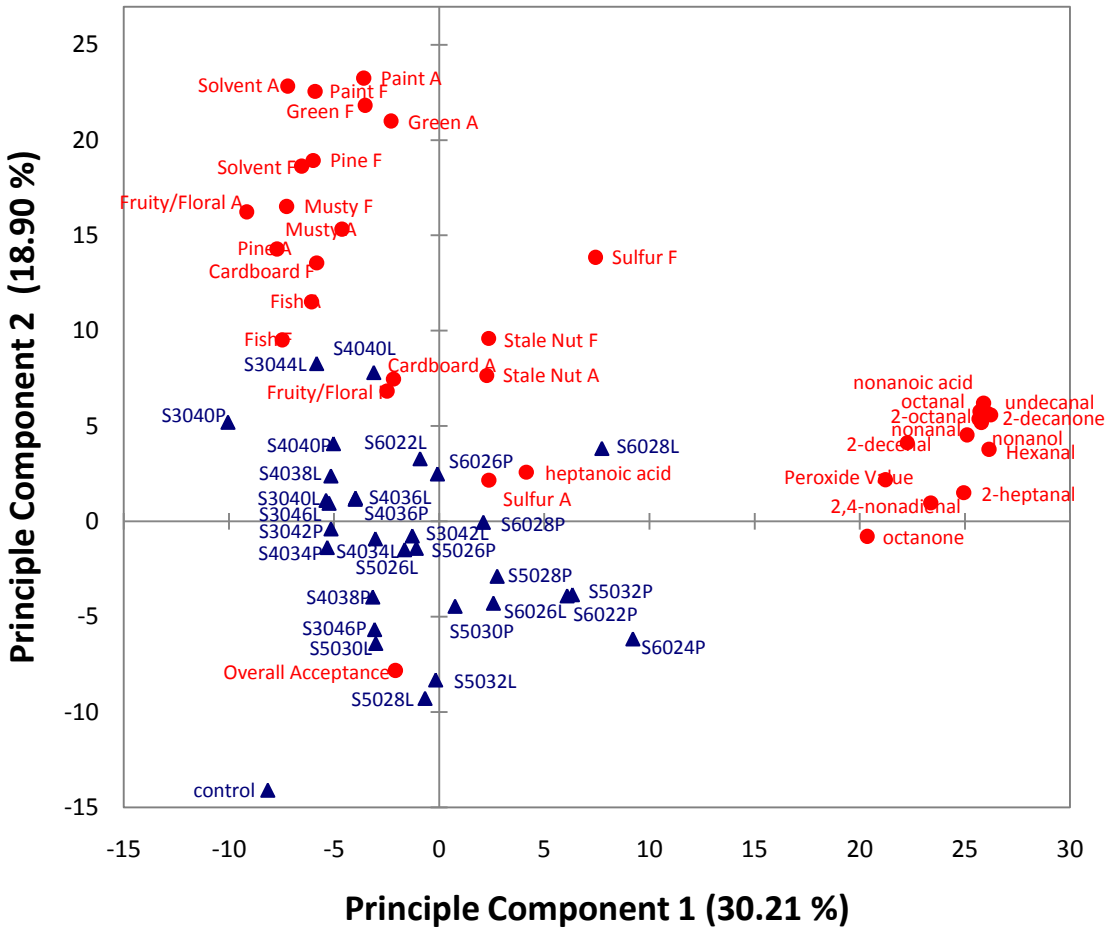


Figure 2: HOSUN PCA biplot of principal component 2 on principal component 1

The X axis represents the 1st principal component which accounts for 30.21% of the total variability, while the Y axis represents the 2nd principal component with accounts for 18.90% of the total variability. The differences right to left are thus about 1.5 times more influential than differences top to bottom. The further from the origin the measured variables (red dots) are the more influential in the system they are, the variables found to be significant are further away from the origin than are the variables that were not significant. The samples (blue triangles) are distributed around the variables that characterize them. The closer a sample is located to a measured variable the more that variable was reported in the sample.

Of note in the plot is the control sample, which is located on the bottom left corner of the plot, being closer to the overall acceptance than to any other variable. Moving right across the plot it can be seen

that in general the samples begin to have higher temperatures and longer storage times as they are positioned further right on the plot. One interesting thing seen in this plot is that the descriptive aromas and flavors tend to be grouped together and the volatile compounds tend to be grouped together. This was not seen so clearly on the HOCAN plot. This could be from the way the principle components were grouped in the HOSUN samples, with the 1st principle component being a grouping of volatile compounds and the 2nd being a grouping of descriptive analysis aromas and flavors.

Peroxide Value Change over the Study

The samples were monitored regularly for PV, about every two weeks, throughout the study, as a means of tracking where the initiation stage ends and the propagation stage begins. Gotoh and Wada (2006) report that a PV of 30 would be about where the propagation stage of autoxidation would begin. The high oleic oils studied for this research did not show the amount of change in PV that was expected. The PV was not found to be a significant discriminating variable when used in the PCA for either oil in any of the three principal components examined.

Despite not seeing as great a change as expected, some interesting results were observed. The packaging material used for distribution and storage can have a significant effect on the shelf life of the product (Man 2002); and this was clearly evident in this study. Oil stored in LDPE bottles had much greater increases in PV at a faster rate than oil stored in PET bottles. The greatest change in PV during the study was in the HOCAN stored in LDPE bottles at 60°C, these results can be seen in Figure 3. The fairly high PV in the HOCAN stored in LDPE can be compared to the PV of HOCAN in PET stored at 60 (see Figure 4) which only reached about a 6. This is approximately a 10 fold difference in PV between HOCAN stored in LDPE and HOCAN stored in PET.

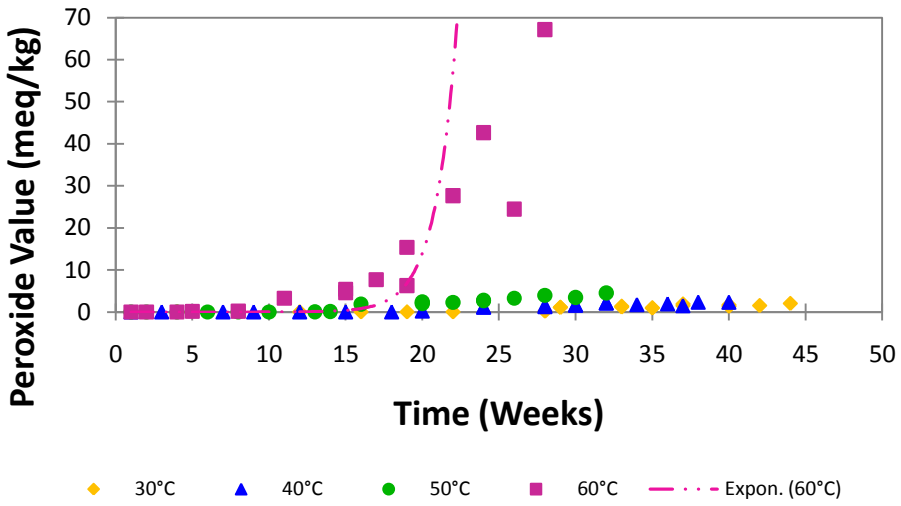


Figure 3: HOCAN LDPE Peroxide Value change over the study

The change in PV of the HOCAN in LDPE at temperatures lower than 60°C was not as great as the oil stored at 60° (see Figure 3), in fact none of the data points at lower temperatures went above a PV of 10. The FAO Codex Standard for Vegetable oil (1999) gives a value of 10 as the maximum for fresh oil. For these lower temperatures the difference between LDPE and PET packaging is not as great as the difference that was seen at 60°C, however none of the PVs for the PET samples ever got higher than 2.5 (see Figure 4).

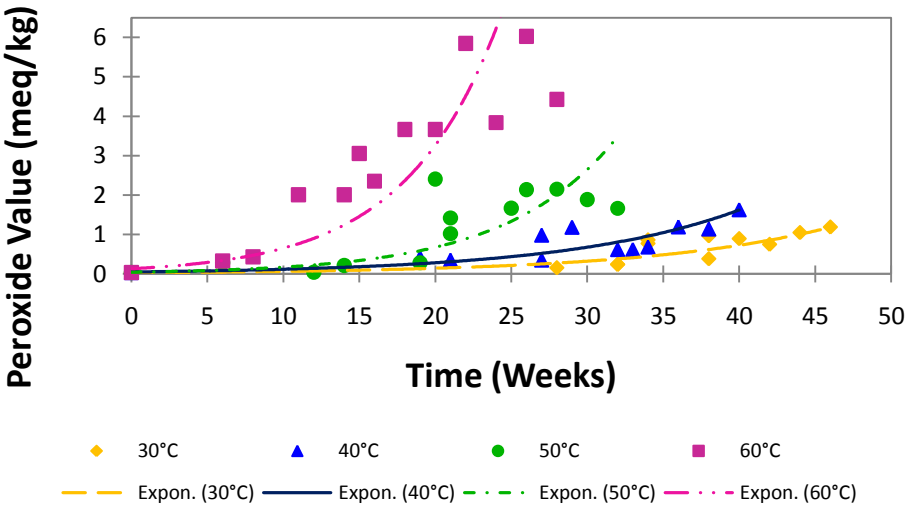


Figure 4: HOCAN PET Peroxide Value change over the study

Figure 5 shows the change in PV of the HOSUN stored in LDPE. The greatest increase in PV was once again measured in the oil stored at 60°C, which reached a PV of 15 over the course of the study. This value is much lower than the nearly 70 of the HOCAN stored in LDPE, but still higher than any of the values of the HOSUN stored in PET. The lower temperatures of HOSUN in LDPE did not have much change in the PV over the course of the study.

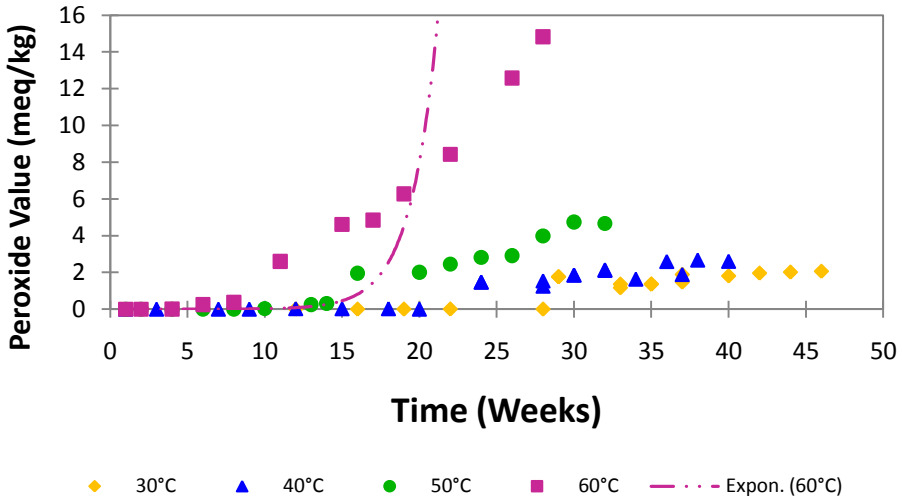


Figure 5: HOSUN LDPE Peroxide Value change over the study

The change in PV for HOSUN in PET can be seen in Figure 6. For the HOSUN in PET the greatest measured PV was about 8 when stored at 60°, this trend is very similar to trend seen in the HOCAN in PET. Neither type of oil stored in PET had very large measured PVs throughout the study, considering the FAO standard for fresh RBD oil includes PVs up to a maximum of 10 (FAO Corporate Document Repository 1999).

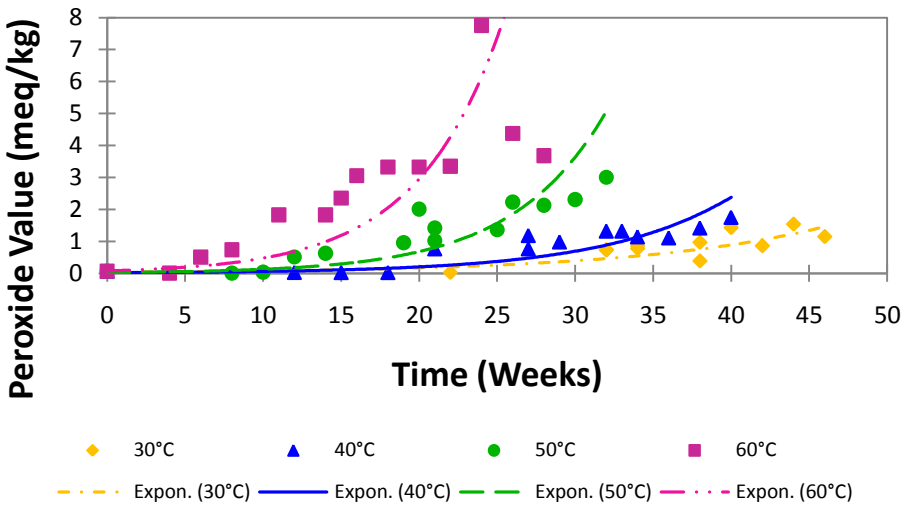


Figure 6: HOSUN PET Peroxide Value change over the study

Personal communication with Kathleen Warner about her research with triolein indicated that as oleic acid oxidizes it does not necessarily increase the PV to the same extent that polyunsaturated fatty acids do. Despite the small changes found in the PV of the oils, sampling for descriptive analysis, GC HS analysis, and consumer acceptance was initiated based on informal sensory analysis, which indicated some changes in sample quality had begun.

Just as the HOCAN PVs increased faster and to a higher degree in the LDPE packages, the HOSUN in the LDPE packages had a greater and faster increase in PV than when stored in PET. One explanation for this could be that the oxygen permeability for LDPE is 82 times greater than for PET (Singh and Heldman 2001). Warner and Mounts (1984) looked at the efficacy of plastic packaging for storage of oil, including a twelve month long ambient storage condition. While PET was not evaluated in their study, they found that oil stored in polyvinylchloride (PVC), which has an oxygen permeability constant slightly greater than the PET used in this study, resulted in no significant difference in flavor scores compared to oil stored in glass.

Volatile Analysis

Using the information from the PCA the volatile compounds important to the high oleic system were identified. For the high oleic oils, Table 5 shows the volatile compounds of importance associated aroma. The volatile compounds were determined by SPME and their characteristic aroma as recorded in a

flavor database (Flavornet 2010) . It is the combination of these and other volatile compounds in the oxidized oils that are detected as the aromas and flavors in the descriptive analysis.

Table 5: Important volatile compounds and associated aromas

Volatile Compound	Aroma
Hexanal	Grassy
2-Heptanal	Citrus/Fat/Rancid
Octanal	Fruity
2-Octanal	Green/Soap/Fat/Lemon
Octanone	Soap/Gasoline
Nonanal	Fruity
Nonanol	Green/Fat
2-Decanone	Plastic
2,4-Nonadienal	Pungent/Geranium
Nonanoic acid	Green/Fat
Undecanal	Coconut
2-Decenal	Acrid
Heptanoic acid	Rancid/Oily

The relative amount, as determined in reference to the known amount of internal standard, of volatile compounds measured in HOCAN stored in LDPE over the study is given in Table 6. The top row is the temperature of storage and the second row is the number of weeks the oil was stored at that temperature when the sample was tested.

Table 6: Relative amounts of significant volatile compounds measured in HOCAN LDPE

Volatile Compound	Control	30°C				40°C				50°C				60°C			
Time Stored (weeks)→	0	40	42	44	46	34	36	38	40	26	28	30	32	22	24	26	28
Hexanal	0.87	0.78	0.55	1.97	0.44	0.49	0.68	0.68	0.52	0.77	1.09	1.14	1.06	2.37	3.93	5.94	9.13
2-Heptanal	0.26	0.22	0.24	0.55	0.0	0.0	0.26	0.24	0.13	0.25	0.29	0.35	0.33	3.16	4.70	7.66	16.1
Octanal	0.0	4.29	2.11	9.89	2.51	1.81	2.07	2.08	1.76	2.28	2.67	2.91	3.16	2.72	2.54	2.56	4.68
2-Octanal	0.0	0.94	0.67	1.70	0.75	0.63	0.78	0.76	0.70	0.67	0.84	0.85	0.96	2.58	4.35	6.62	17.0
Octanone	0.0	0.32	0.37	0.16	0.40	0.37	0.85	0.67	0.30	0.16	1.37	0.48	0.30	0.0	0.92	0.08	0.54
Nonanal	0.0	15.0	6.22	53.2	8.42	5.68	6.60	8.05	8.24	7.74	9.72	11.3	13.0	10.4	10.9	10.9	17.6
Nonanol	0.0	0.41	0.38	0.67	0.38	0.38	0.53	0.37	0.34	0.42	0.86	0.41	0.35	0.45	0.79	0.49	4.79
2-Decanone	0.0	0.75	0.54	1.04	0.64	0.60	0.58	0.64	0.51	0.41	0.45	0.41	0.49	0.50	0.52	0.49	1.02
2,4-Nonadienal	0.0	0.60	0.50	0.83	0.89	0.92	0.64	0.68	0.56	1.06	1.30	0.96	1.21	0.61	1.31	0.53	1.04
Nonanoic acid	0.0	21.9	15.9	41.7	15.5	13.3	17.5	15.1	15.0	15.9	20.3	18.3	19.1	21.4	24.5	22.3	40.0
Undecanal	1.41	20.2	14.5	32.0	16.5	14.1	16.4	16.1	13.8	14.6	17.9	16.4	15.9	14.9	15.5	15.5	33.3
2-Decenal	0.0	2.81	1.41	3.80	9.90	3.05	3.41	1.56	1.84	2.58	5.17	1.34	1.43	1.22	1.56	0.96	1.42
Heptanoic acid	0.0	1.07	0.79	0.70	1.30	0.89	0.74	0.84	0.82	0.62	0.84	0.70	0.75	0.49	0.48	0.40	0.0

The same information presented in Table 6 is presented in Table 7 for HOCAN stored in PET packaging. In general the volatile compounds measured in PET are present in lower amounts than in the oil stored in LDPE packaging, one more indication of the PET being a better barrier to oxygen than LDPE.

Table 7: Relative amounts of significant volatile compounds measured in HOCAN PET

Volatile Compound	Control	30°C				40°C				50°C				60°C			
Time Stored (weeks)→	0	40	42	44	46	34	36	38	40	26	28	30	32	22	24	26	28
Hexanal	0.87	0.46	0.60	0.48	0.47	0.37	0.58	0.51	0.48	1.00	2.01	1.18	1.03	1.47	2.07	2.41	1.87
2-Heptanal	0.26	.011	0.26	0.0	0.0	0.0	0.30	0.29	0.33	0.45	0.61	0.48	.064	0.91	0.72	1.30	1.43
Octanal	0.0	1.41	1.71	1.81	1.66	0.66	1.93	1.80	1.50	3.80	6.39	5.67	4.66	2.00	6.78	4.90	4.90
2-Octanal	0.0	0.61	0.67	0.67	0.67	0.28	0.83	0.81	0.82	1.02	1.81	1.17	1.31	0.89	1.49	1.46	1.64
Octanone	0.0	0.0	0.41	0.33	0.0	0.16	0.88	0.22	0.17	0.75	3.62	1.07	0.92	1.09	2.10	0.90	0.94
Nonanal	0.0	3.63	5.31	7.81	8.47	2.05	6.15	5.61	4.48	9.24	14.8	15.0	15.4	5.76	19.0	17.3	18.9
Nonanol	0.0	0.28	0.42	0.29	0.15	0.26	0.51	0.18	0.30	0.43	0.64	0.41	0.47	0.57	1.03	0.61	0.68
2-Decanone	0.0	0.46	0.52	0.31	0.40	0.26	0.58	0.62	0.44	0.66	0.78	0.62	0.74	0.67	1.09	0.84	1.05
2,4-Nonadienal	0.0	0.56	0.59	0.47	1.03	0.56	0.76	0.67	0.56	1.00	1.60	1.06	1.46	1.23	1.89	1.29	1.21
Nonanoic acid	0.0	12.1	19.0	13.3	14.4	5.93	17.7	14.0	14.0	13.1	23.0	17.7	19.5	13.5	26.2	17.8	23.1
Undecanal	1.41	12.6	13.5	14.0	13.4	5.85	15.8	14.5	12.7	13.0	19.9	15.5	18.1	12.7	19.8	14.9	17.2
2-Decenal	0.0	2.76	1.48	1.07	1.16	1.21	1.90	1.08	1.80	1.08	2.09	1.14	8.16	3.14	2.19	1.11	1.71
Heptanoic acid	0.0	0.25	0.56	0.32	0.44	0.20	0.54	0.46	0.65	0.53	1.00	0.66	0.76	0.30	0.40	0.34	0.0

The volatile compounds in HOSUN packaged in LDPE are presented in Table 8 with the relative amounts of the compounds at different points throughout the study. The compounds are the same ones that were identified in the HOCAN, except that in HOSUN the compound octanone was not significant in the PCA.

Table 8: Relative amounts of significant volatile compounds measured in HOSUN LDPE

Volatile Compound	Control	30°C				40°C				50°C				60°C			
Time Stored (weeks)→	0	40	42	44	46	34	36	38	40	26	28	30	32	22	24	26	28
Hexanal	0.40	0.55	0.61	0.73	0.50	0.58	0.73	0.72	0.95	0.83	0.96	1.13	1.02	1.49	6.60	1.94	1.80
2-Heptanal	0.0	0.0	0.10	0.24	0.12	0.0	0.21	0.22	0.23	0.31	0.23	0.26	0.34	0.62	2.88	1.14	1.34
Octanal	0.0	1.84	2.21	2.32	1.77	1.48	1.64	1.84	4.06	2.38	2.01	1.78	1.81	2.97	26.3	3.61	3.94
2-Octanal	0.0	0.64	0.69	0.74	0.69	0.50	0.58	0.65	0.83	0.75	0.65	0.56	0.59	1.00	5.95	1.54	2.01
Nonanal	0.0	5.97	6.84	7.21	5.34	5.49	5.91	8.15	17.06	8.84	7.21	6.69	8.97	11.6	130.8	13.8	14.4
Nonanol	0.0	0.30	0.38	0.33	0.29	0.32	0.39	0.35	0.39	0.38	0.45	0.29	0.26	0.39	10.9	0.44	0.0
2-Decanone	0.0	0.48	0.58	0.54	0.46	0.49	0.47	0.54	0.65	0.40	0.35	0.27	0.31	0.47	2.31	0.63	0.75
2,4Nonadienal	0.0	0.58	1.00	0.97	0.76	0.97	0.43	0.70	0.60	0.92	1.01	0.81	1.51	1.02	6.00	0.81	1.20
Nonanoic acid	0.0	12.0	15.4	15.5	14.5	11.3	14.3	12.2	21.9	18.0	15.8	13.2	15.4	20.7	127.8	25.4	34.4
Undecanal	0.53	12.3	14.3	14.6	13.2	11.3	13.6	13.1	19.3	16.2	14.3	12.1	13.9	18.7	89.0	17.5	25.5
2-Decenal	0.0	1.45	7.00	1.61	1.35	5.71	1.53	1.60	3.10	1.74	1.43	1.07	2.33	1.31	14.5	1.28	2.54
Heptanoic acid	0.0	1.06	1.02	1.22	0.97	0.81	0.77	0.91	1.07	0.67	0.63	0.57	0.74	0.83	0.62	1.10	1.49

The same information presented in Table 8 is presented in Table 9 for HOSUN stored in PET packaging. The volatile compounds in HOSUN packaged in LDPE are presented in Table 8 with the relative amounts of the compounds at different points throughout the study. The compounds are the same ones that were identified in the HOCAN, except that in HOSUN the compound octanone was not significant in the PCA.

Table 9: Relative amounts of significant volatile comounds measured in HOSUN PET

Volatile Compound	Control	30°C				40°C				50°C				60°C			
Time Stored (weeks)→	0	40	42	44	46	34	36	38	40	26	28	30	32	22	24	26	28
Hexanal	0.40	0.58	0.556	0.84	0.55	0.58	0.63	0.69	0.67	1.12	1.21	1.16	1.38	1.35	2.14	1.92	1.67
2-Heptanal	0.0	0.05	0.12	0.0	0.12	0.28	0.30	0.43	0.35	0.47	0.46	0.50	0.87	0.76	1.05	1.03	0.92
Octanal	0.0	1.03	1.42	1.45	1.86	1.30	1.51	1.81	1.57	2.35	1.96	2.03	6.51	1.74	2.53	2.15	1.90
2-Octanal	0.0	0.44	0.68	0.65	0.69	0.50	0.58	0.65	0.83	0.75	0.87	0.90	1.45	0.85	1.30	1.05	1.00
Nonanal	0.0	5.48	4.74	4.63	7.52	2.48	5.72	9.35	6.24	7.22	8.94	8.45	16.2	4.68	17.3	14.3	10.8
Nonanol	0.0	0.05	0.35	0.23	0.27	0.11	0.38	0.32	0.29	0.32	0.80	0.47	0.55	1.73	0.54	0.54	0.45
2-Decanone	0.0	0.22	0.35	0.34	0.47	0.43	0.45	0.46	0.37	0.48	0.62	0.63	0.80	0.60	0.69	0.50	0.60
2,4Nonadienal	0.0	0.14	0.80	1.10	1.68	0.0	0.66	0.72	1.11	1.34	2.74	2.42	2.61	1.95	3.23	1.63	2.29
Nonanoic acid	0.0	8.20	15.0	11.0	13.3	10.7	15.2	13.4	15.4	13.1	19.2	14.2	23.7	13.2	20.6	16.3	16.9
Undecanal	0.53	8.19	12.1	11.5	12.4	11.0	12.8	12.9	13.1	13.1	15.7	13.9	18.7	13.3	17.7	14.6	13.3
2-Decenal	0.0	0.59	1.19	0.79	1.43	2.47	1.36	2.22	2.52	2.89	1.96	1.08	1.33	2.76	2.25	1.07	2.30
Heptanoic acid	0.0	0.19	0.33	0.30	0.82	0.33	0.61	0.45	0.72	0.47	0.81	0.52	1.00	0.51	0.89	1.18	0.81

Consumer Acceptance and Prediction of Shelf Life

Predictions of shelf life using accelerated shelf life testing are based on modeling different deterioration mechanisms that occur in the food being studied (Labuza 2000). In the packaged oil system of this study some of the factors to consider were: temperature, oxygen concentration, packaging material, and reaction inhibitors. It was expected that as the temperature was increased it would increase the rate of reaction for each 10°C increase. Oxygen solubility in fat or water decreases by 25% for each 10°C rise in temperature, which could potentially result in a lower actual rate of reaction than the predicted rate (Labuza 2000). To account for this potential difference, four temperatures were used to store the oil. Reaction inhibitors of interest in this study were the antioxidants included in the oil. Their inclusion markedly increased the OSI values for the oils, and should increase the shelf life of the oil; however this study did not compare the oil with antioxidants to oil stored without antioxidants, beyond the OSI analysis.

Shelf Life Prediction

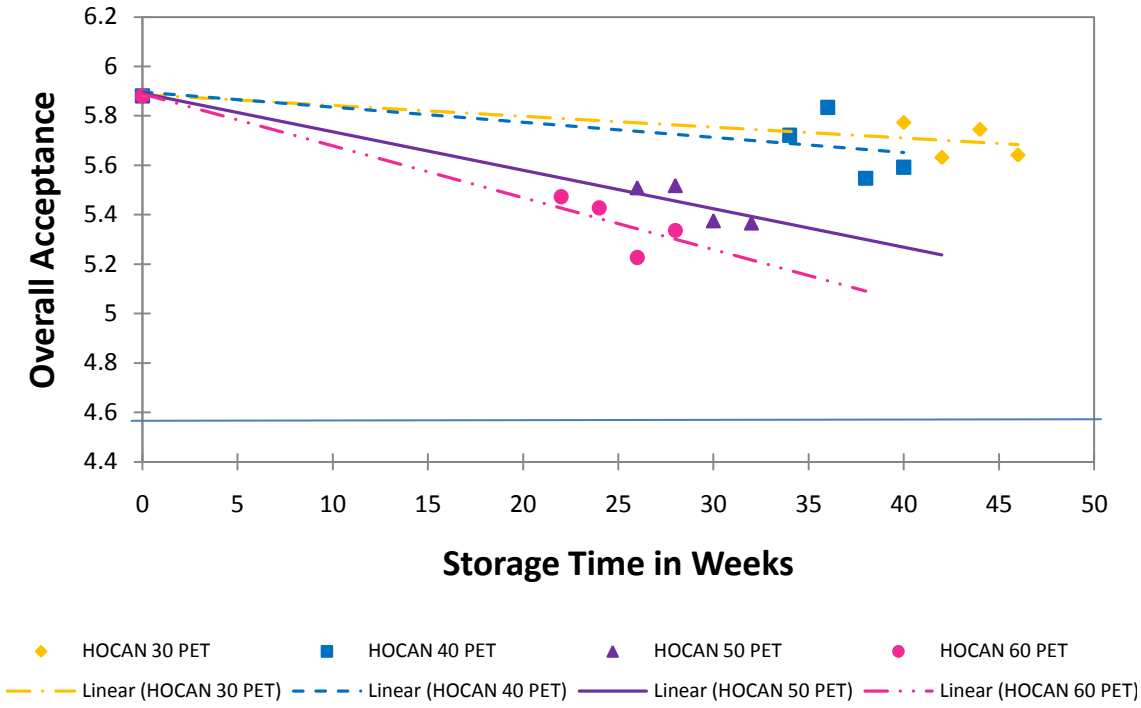
Shelf life of oil is determined to be the point at which consumers no longer consider it acceptable; the hedonic scores of the stored samples are compared to the control samples. Based on the number of variables in the study, and to protect against making a Type I error when making multiple comparisons, a p-value of 0.01 was used to determine significance. Table 10 shows the comparisons of the control samples to the stored HOCAN and HOSUN in PET packaging, as determined by an untrained consumer panel. The slopes of the overall acceptance curves over storage time are of interest to determine the time it would take to decrease in acceptability by the selected cutoff of 20%.

Table 10: Overall acceptance scores for oil samples stored in PET compared to control samples.

Temp	Weeks Stored	HOCAN Overall Acceptance	HOCAN Diff.	HOCAN t-value	HOCAN p-value	HOSUN Overall Acceptance	HOSUN Diff.	HOSUN t-value	HOSUN p-value
30°C	40	5.774	0.108	0.71	0.4801	5.661	0.390	2.58	0.0146
	42	5.632	0.250	1.65	0.1086	5.348	0.703	4.64	0.0001[b]
	44	5.745	0.136	0.90	0.3740	5.616	0.435	2.87	0.0071[b]
	46	5.642	0.240	1.59	0.1221	5.580	0.470	3.11	0.0039[b]
40°C	34	5.721	0.160	1.06	0.2969	5.685	0.387	2.56	0.0153
	36	5.834	0.048	0.32	0.7543	5.615	0.512	3.38	0.0019[b]
	38	5.547	0.334	2.21	0.0342	5.471	0.455	2.45	0.0197[b]
	40	5.592	0.290	1.91	0.0643	5.365	0.685	4.53	0.0001[b]
50°C	26	5.509	0.373	2.46	0.0192	5.705	0.525	3.46	0.0015[b]
	28	5.518	0.364	2.40	0.0220[b]	5.193	0.858	5.67	0.0001[b]
	30	5.375	0.507	3.35	0.0020[b]	5.272	0.779	5.15	0.0001[b]
	32	5.366	0.516	3.41	0.0017[b]	5.281	0.770	5.09	0.0001[b]
60°C	22	5.473	0.410	2.70	0.0108	6.118	0.041	0.27	0.7883
	24	5.427	0.454	3.00	0.0051[b]	5.892	0.159	1.05	0.3023
	26	5.227	0.654	3.60	0.0010[b]	5.765	0.286	1.89	0.0676
	28	5.336	0.545	4.32	0.0001[b]	5.853	0.198	1.31	0.2003

The Q_{10} values were determined by assuming that a 20% drop in hedonic score was the point at which the samples were no longer acceptable. The initial acceptance score of the HOCAN was 5.88 and the initial acceptance score of the HOSUN was 6.05. Using a 20% drop in hedonic score as the method to determine end of shelf, the end of shelf life for HOCAN was defined to be when acceptance dropped to 4.68, and end of shelf life for HOSUN was defined to be when acceptance dropped to 4.85. Figure 7 is a graphical representation of the decrease in hedonic score over the course of storage for HOCAN stored in PET. The graph shows that, as the temperature of storage increases, the rate of decline in overall acceptance also increases.

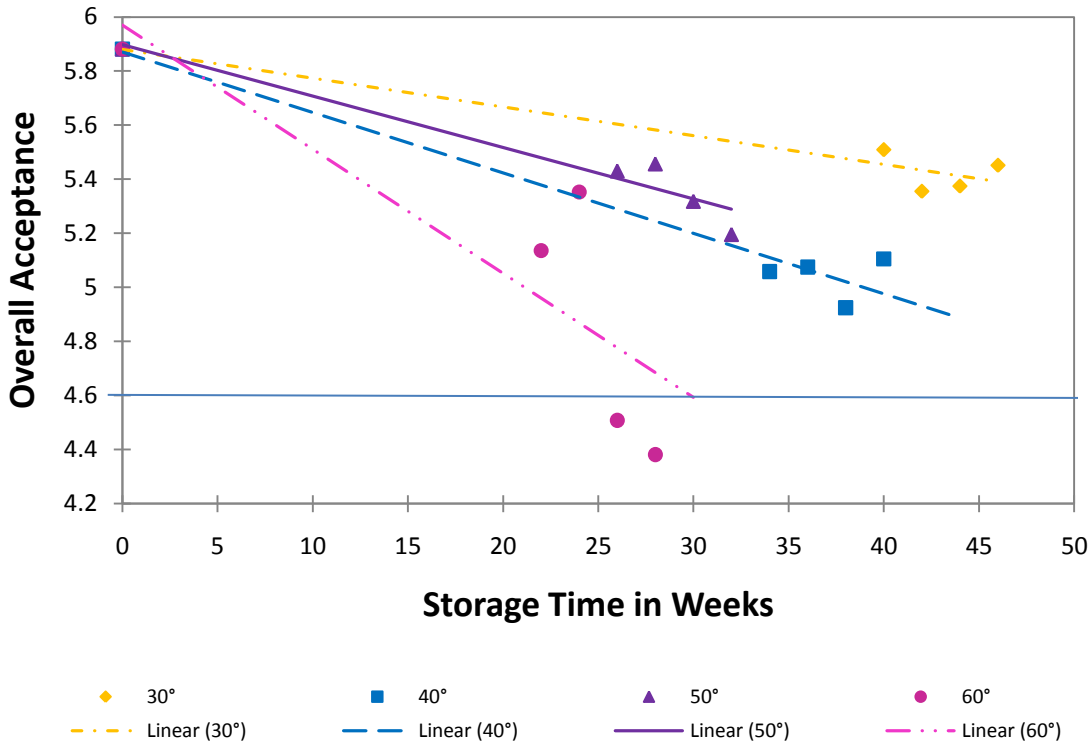
Figure 7: HOCAN PET Loss of Overall Acceptance over Storage



While the rate of decline in overall acceptance score, for HOCAN stored in PET, increased with each 10°C raise in temperature; the HOCAN stored in LDPE does not show this same clear cut relationship (see

Figure 8). The LDPE packaged HOCAN stored at 50°C did not decline in acceptance as rapidly as did the samples stored at 40°C. There is not a good explanation for this unexpected result; however, the high permeability of the LDPE packaging could have something to do with the unexpected results. Possibly the higher permeability actually resulted in less oxidation due to the lower oxygen solubility in oil at the higher temperature (Labuza and Schmidl 1985). The significant increase in temperature to 60C, may have obscured this effect.

Figure 8: HOCAN LDPE Loss of Overall Acceptance over Storage

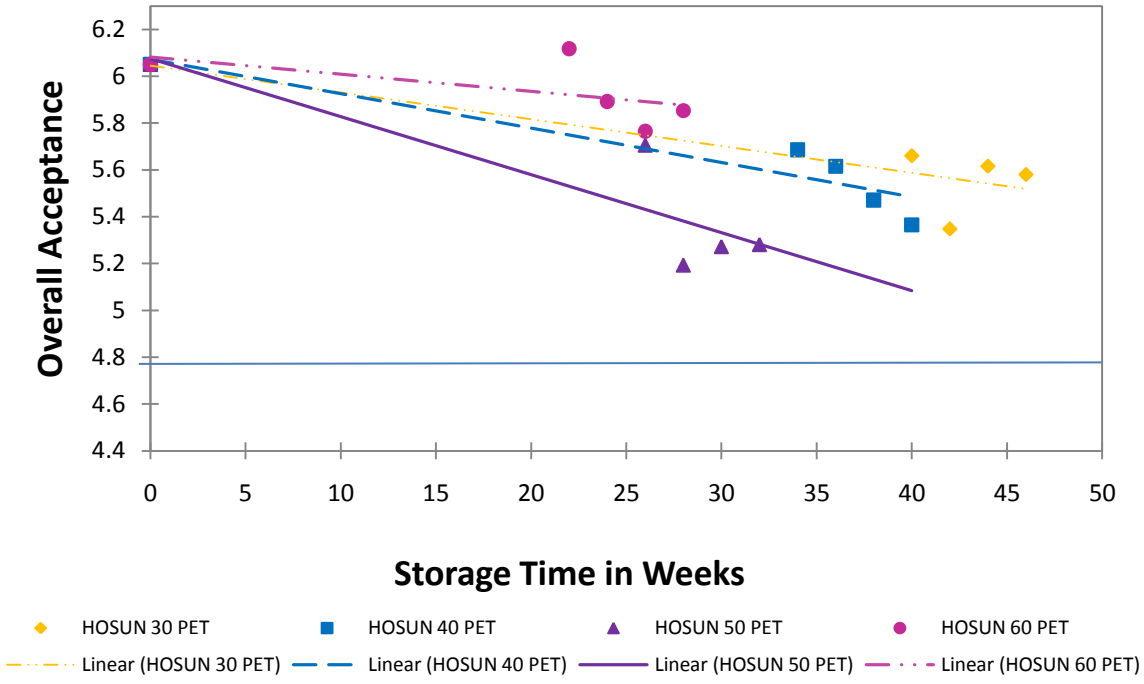


When looking at the loss of overall acceptance score for HOSUN stored in PET (see Figure 9) the graph looks very similar to the graph for loss of overall acceptance score for HOCAN stored in PET. The one big difference is that the HOSUN in PET stored at 60°C actually showed higher acceptance scores than the oil stored at the other temperatures. When looking at the results of the GC HS analysis (see Table 9) it can be observed that there are volatile compounds present, at levels close to those produced in the oil stored at 50°C. For some reason the resulting flavors were apparently not objectionable to the consumers when incorporated into mayonnaise. A couple of hypothesized reasons for this are: the elevated temperature may have changed the mechanism of reaction; or the elevated temperature may have driven off volatile compounds that were unpleasant to the consumers. Given the low permeability of the packaging, the second hypothesis is unlikely, and leads to the question of why a similar effect was not observed in the HOCAN PET samples.

Although four temperatures were selected for storage, it is not necessary to use all four sets of data when calculating the shelf life. The 60°C temperature was used mainly to ensure that some change would be noticible during the study, as it was unknown at the beginning if noticible change would take

place at 30°C. Since the results of the HOSUN PET stored at 60°C were not in accordance with what was expected, nor consistent with results seen in the HOCAN PETand the other temperatures of HOSUN PET, none of the 60°C data was used when calculating Q10 values (Table 11).

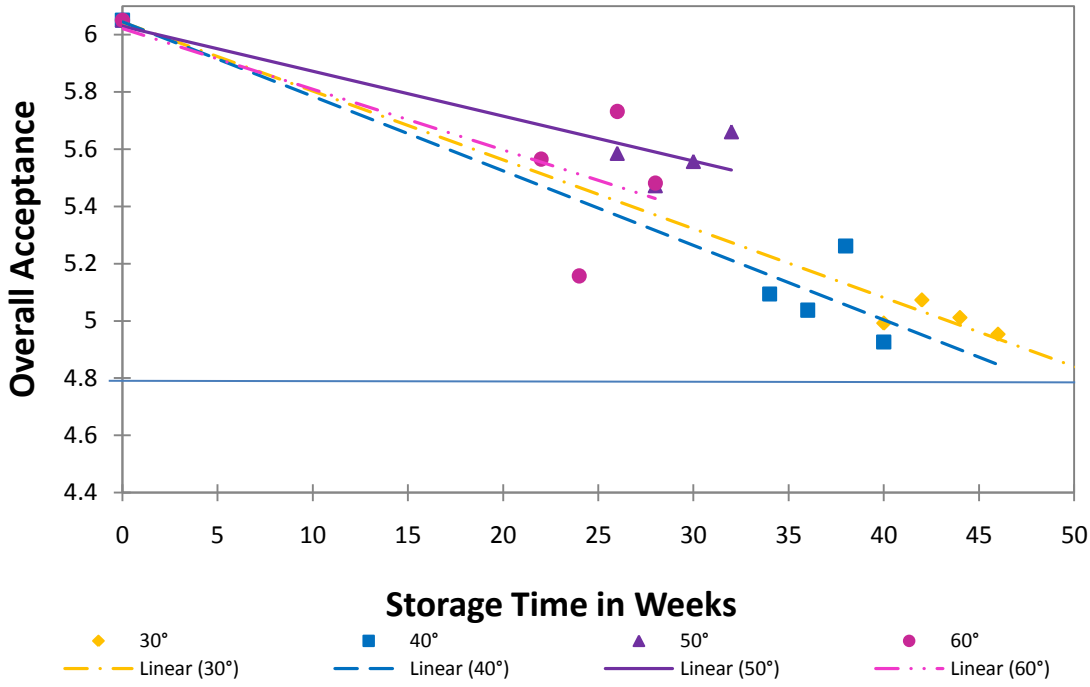
Figure 9: HOSUN PET Loss of Overall Acceptance over Storage



The rates of degradation of HOSUN in LDPE (Figure 10) were similar to the results for HOCAN in LDPE (see

Figure 8),in that no good explanation can be given for the results. The 40°C and 30°C samples deteriorated more quickly that the 60°C or 50° samples. The best explanation once again seems to be the possibility that lower oxygen solubility, coupled with higher permeability, translated into the observed result.

Figure 10: HOSUN LDPE Loss of Overall Acceptance over Storage



One potential source of variation in the consumer acceptance scores is that panelists were given pieces of bread to spread their mayonnaise samples on, and were allowed to put as much or as little mayonnaise on their bread pieces as they desired. Amounts of mayonnaise tasted per sample probably varied among panelists, although it is assumed that each panelist used similar amounts for each sample. Still the possible variance between panelists could have had an effect on how each panelist rated their samples.

Table 11 gives the slopes and the calculated average Q_{10} factors of the HOCAN and HOSUN samples. In the oils in this study a 20% drop in hedonic score is roughly a drop of 1.2 hedonic points. Thus the shelf life (R), calculated from the Q_{10} equation, is equal to -1.2/slope, giving the number of weeks until the hedonic score decreased by 20%.

Table 11: Overall acceptance slopes, weeks to end of shelf life and Q_{10} values.

Oil	Packaging	Temperature (°C)	Slope	End of Shelf Life (weeks)	Ave Q_{10}
HOCAN	PET	60	-0.021[a]	57.14	0.5687
HOCAN	PET	50	-0.0156	76.92	
HOCAN	PET	40	-0.0061	196.72	
HOCAN	PET	30	-0.0044	272.72	
HOSUN	PET	60	-0.0073[a]	164.38	0.6821
HOSUN	PET	50	-0.0248	48.39	
HOSUN	PET	40	-0.0147	81.63	
HOSUN	PET	30	-0.0114	105.26	
HOCAN	LDPE	60	-0.0459[a]	26.14	0.7452
HOCAN	LDPE	50	-0.0190	63.16	
HOCAN	LDPE	40	-0.0223	53.81	
HOCAN	LDPE	30	-0.0106	113.21	
HOSUN	LDPE	60	-0.0212[a]	56.60	1.2089
HOSUN	LDPE	50	-0.0157	76.43	
HOSUN	LDPE	40	-0.0260	46.15	
HOSUN	LDPE	30	-0.0241	49.79	

Using the slope of the lines to determine how many weeks it would take to reach the end of shelf life at different temperatures, allows for use of the Q_{10} equation to determine the Q_{10} average for the systems studied. Once the Q_{10} value is known it can be inserted back into the equation to estimate shelf life at a temperature other than those looked at in the study Equation 3 and Equation 4 use the average Q10 values and the shelf life values at 50°C to solve for the unknown shelf life in weeks at room temperature (23°C), for HOCAN in PET and LDPE packaging respectively.

Equation 3: Time to end of HOCAN PET packaged oil shelf life at 23°C

$$0.5687 = \left(\frac{76.92\ weeks_{50^\circ}}{Shelf\ Life_{23^\circ}}\right)^{\left(\frac{10}{50^\circ - 23^\circ}\right)}$$

Equation 4: Time to end of HOCAN LDPE packaged oil shelf life at 23°

$$0.7452 = \left(\frac{63.16\ weeks_{50^\circ}}{Shelf\ Life_{23^\circ}}\right)^{\left(\frac{10}{50^\circ - 23^\circ}\right)}$$

Equation 5 and Equation 6 use the average Q10 values and the shelf life values at 50°C to solve for the unknown shelf life in weeks at room temperature (23°C), for HOSUN in PET and LDPE packaging respectively.

[a] Data not used in determination of Q_{10}

Equation 5: Time to end of HOSUN PET packaged oil shelf life at 23°C

$$0.6821 = \left(\frac{48.39\ weeks_{50^\circ}}{Shelf\ Life_{23^\circ}}\right)^{\left(\frac{10}{50^\circ - 23^\circ}\right)}$$

Equation 6: Time to end of HOSUN LDPE packaged oil shelf life at 23°

$$1.2089 = \left(\frac{76.43\ weeks_{50^\circ}}{Shelf\ Life_{23^\circ}}\right)^{\left(\frac{10}{50^\circ - 23^\circ}\right)}$$

Solving these equations gives an estimated shelf life of 6.8 years at room temperature (23°C) for HOCAN in PET and 2.7 years for HOCAN in LDPE. . The estimated shelf life of HOSUN at room temperature in PET is 2.6 years and in LDPE is 0.88 years.

Conclusions

PVs were not valuable as markers of oxidation in the high oleic vegetable oil systems evaluated in this study. Further studies of high oleic vegetable oils should take note of this and design their experiment in such a way to look at secondary oxidation products immediately and utilize other methods of testing for primary oxidation products.

Increasing amounts of many volatile compounds, aromas, and flavors were associated with a decrease in the overall acceptance and usage. Information gained from the combination of tests, chemical and sensory, suggests that the aromas and flavors resulting from the volatile compound products of the oxidation of high oleic oils are able to carry through when incorporated into a product and be detected by consumers. Caution should be exercised when attempting to apply the findings for the oils evaluated in this study to other systems. The consumer acceptance test in this study utilized mayonnaise as the carrier for oil to be tested in the panel because of its high oil content and the tendency for emulsions to release flavor compounds. Carrier products other than mayonnaise could react differently with the oxidized oil by masking the flavors of oxidation, enhancing the flavors of oxidation, or potentially even be benefitted by some of the flavors.

Traditional vegetable oil has a fairly short shelf life. The high oleic oil and antioxidant combinations looked at in this study have much longer estimated shelf lives. The HOSUN is estimated to have a shelf life of about 2.6 years if stored in PET and 0.88 years if stored in LDPE and the HOCAN was estimated to have a shelf life of about 6.8 years in PET or 2.7 years in LDPE. The long shelf life of these

high oleic oils makes them an option to consider for long term storage of foods. The package of LDPE would not be recommended for storagae of oil.

Issues related to the shelf life of high oleic vegetable oil not dealt with in this study include: modeling of the mechanisms causing the autoxidation, investigation of potentially toxic oxidative products, the shelf life of traditional oils in comparison to the high oleic varieties, and real time shelf life determination. To confirm the findings of this study, further research needs to be done with the oils in real time storage at ambient temperature. To further understand the oxidation of the high oleic vegetable oil system further, more detailed studies of reaction intermediates and end-products should be performed and compared to data collected in this study.

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Appendix

Preparation of Methyl Esters by Sodium Methoxide

Materials

Glassware	Equipment	Chemicals
2 x 13 screw cap vials	Scale	Hexane
13 x 100 mm test tubes	Vortex	Sodium Methoxide, 0.5 M in methanol
GC vials (1x3 cm w/septum lid)	Centrifuge	Saturated Nail solution
		NA_2SO_4

Table 12: Materials required for methyl ester preparation

1. Weigh 100 ± 5 mg sample oil into a 2x13 screw cap vial.
2. Add 5 ml hexane to vial and vortex briefly to dissolve lipid.
3. Add 250 µl sodium methoxide reagent, cap the vial tightly, and vortex for 1 minute, pausing every 10 seconds to allow the vortex to collapse.
4. Add 5 ml saturated sodium chloride solution to the vial, cap the vial, and shake vigorously for 15 seconds.
5. Let sit for 10 min.
6. Remove the hexane layer and transfer to a 13x100 mm test tube containing 1 gram NA_2SO_4. Do not transfer any interfacial precipitate or aqueous phase.
7. Allow the hexane phase containing the methyl esters to sit in contact with NA_2SO_4 for at least 15 min prior to analysis.
8. Transfer the hexane phase to a GC vial for GC analysis.

OIL Stability Index (OSI) Method

Method adapted from: Merrill, L. I., "Effect of oil variety and antioxidant addition on oxidative rancidity of commercial vegetable oils." Master's Thesis 2007, and AOCS Official Method Cd 12b-92.

Instrument Set-Up

Turn on the heating block of the OSI instrument. Do this step first, the heating block takes two to four hours to come to a stable temperature of 110.0°C. While the OSI instrument is heating, triple-rinse the conductivity tubes with dd water. Then fill the conductivity tubes with 50 ml of dd water and place them in the cell racks that will be used. Make sure that all glassware used to carry dd water is triple rinsed with the dd water before filling.

Insert the conductivity electrode into the plastic tube stopper and then into the plastic tube. Place a normal-length, disposable, glass Pasteur pipette into the plastic tube stopper making sure that the pipette tip is within 5 mm of the bottom of the plastic tube. A small amount of dd water spread on the inside of the stopper allows for easy insertion of the pipette. Then, attach the electrode to the correct cell. Verify that the computer is on, running, the OSI program is up, and the OSI program is updating each cell's conductivity periodically. When the OSI computer updates the water's conductivity, the number read should be low and stable. Major fluctuations in the water's conductivity indicates there is something wrong and until fixed should not be used for testing oil. Next turn on the air to the OSI instrument, about two to three twists of the "Lab Air" handle.

Measuring the Oil sample(s)

Measure 5.0 ±0.2 g of oil into a clean, dry, glass, reaction tube without getting any oil on the sides of the glass tube. Find a beaker or Erlenmeyer flask that the glass tube will fit in that allows the glass tube to stand straight up. Tare this apparatus on the scale. Move the top glass plate of the scale so that the plate is open. Use of a plastic transfer pipette is very helpful for easy transfer of oil, practice is needed to become proficient at measuring oil without getting it on the sides of the tube. Being careful not to drip oil, align the pipette tip so it hovers above the cylindrical center of the glass tube to the bottom without touching its sides. Do not expel all the oil from the pipette. If all the oil is expelled it will splatter on the sides of the test

tube. Spatter marks of oil render glass test tubes unusable for the OSI test. Label the glass tube with permanent marker and place it in a test tube rack.

Rubber Stopper Set-Up for Glass Tubes

Wear gloves and protective eyewear so a piece of a broken pipette does not accidentally go into the hand or the eye. Insert a normal-length, disposable, glass, Pasteur pipette and an extra-long-length disposable, glass, Pasteur pipette into the glass tube stopper. First insert the back-end of the extra-long-length pipette into the bottom of the stopper. Push the extra-long-length pipette until about 1.5-2 cm is visible on the top side of the stopper. Insert the tip of the normal-length pipette from the top of the stopper. Push and twist through the hole until the body of the pipette is all the way through the hole. Attach a length of clean, dry tubing to the back-ends of both pipettes. Then, place the rubber stopper into the glass tube filled with oil. The extra-long-length pipette should be within 5 mm of the bottom of the oil filled glass tube.

Final Preparations

Connecting the tubes to the air flow and the conductivity tube needs to be done quickly, and while holding the tube perfectly upright, to prevent oil from splattering the sides of the tube. Due to air pressure, tubing will occasionally pop off during an OSI test. To prevent tubing from popping off, overlap all tubing connection about 1.5-2 cm, and check the ends of all tubes have been cut flush and do not have any rips or tears. The data of cells with popped tubing cannot be used and must be redone.

To connect the tubing system together start with the tubing already connected to the extra-long-length pipette and secure to the air inlet. Visually inspect the oil in the glass tube for bubbling, this ensures that air is flowing. Next, attach the tubing that is connected to the normal length pipette to the pipette in stopper of the plastic conductivity tube. Add the glass tube with stopper to the heating block.

As soon as each tube is placed in the heating block, enter the sample name and weight into the OSI program. Click “Run” to start the OSI test. The computer will begin to monitor the progress of the water conductivity. When the OSI test is completed, the computer program calculates the OSI. The computer reports OSI and time run on the computer screen.

Cleaning the OSI Components

Glass Reaction Tubes

1. Melt and drain off as much fat as possible.
2. Rinse tubes with a suitable solvent, (1,1,1-Trichloroethane, Isooctane, or Hexanes)
3. Make a 1% detergent solution with Contrad 70, Liquinox, Citranox RBS, or Micro-90. 2500 ml of water with 25 ml of detergent is usually enough.
4. In a pan large enough to hold the tubes and solution, heat the solution to boiling. Rinse each tube with the hot detergent water.
5. Place the tubes in the solution making sure no air bubbles get in the tube. Boil the tubes in the detergent solution for at least 30 min.
6. Scrub test tubes vigorously with a tube brush, make sure all oil residue is removed from the sides of the tube.
7. Rinse the tubes with the detergent solution If any oil residue is still on the tubes allow the tubes to soak in the solution overnight and in the morning make up a new solution and repeat steps 4-6.
8. Rinse the tube with tap water 4-5 times to be sure that all detergent is washed off.
9. Rinse with dd water 3 times then fill tubes with dd water and let sit in a test tube rack for at least 1 hour.
10. Dump dd water out of the tubes rinse with fresh dd water and lay between two paper towels to air dry.
11. Store in a dust-free place.

Conductivity Tubes and Probes

1. Rinse the tubes and probes with denatured ethanol. Use the leftover hot detergent solution to soak the tubes.
2. Scrub the probes and tubes with a brush.
3. Rinse repeatedly with dd water.
4. Let the tubes and probes soak in dd water for at least an hour.
5. Fill the tubes with dd water. Let the probes sit in the tube

6. When ready to reuse, fill the tubes with dd water and connect probe to the conductivity meter. After 30 min if the water conductivity is less than 25 $\mu S\text{-}cm^{-1}$ and is not changing , the conductivity tube is ready for use.

Peroxide Value Method

Method adapted from: Merrill, L. I., "Effect of oil variety and antioxidant addition on oxidative rancidity of commercial vegetable oils." Master's Thesis 2007, and AOCS Official Method Cd 8b-90

Glassware	Equipment	Chemicals
10-250 ml Erlenmeyer flasks	Scale	KI crystals
1-500 ml Erlenmeyer flasks	Stir bar	Potato starch
1-100 ml volumetric flask	Hot plate with stirring	Sodium dodecyl sulfate
2-1000 ml volumetric flask	Tongs	Sodium thiosulfate
1-250 ml beaker	Mechanical pipette	Potassium dichromate
1-50 ml beakers		Acetic acid (glacial)
Glass stirring rod		Isooctane (2,2,4-Trimethylpentane)
1-100 ml graduated cylinder		
Titrating burette stand and clamp		
Glass funnel		

Table 13: Material required for peroxide value of 2 samples in triplicate

Reagent Preparation

Saturated KI solution

Weigh out between 10-15 g of KI into a 50 ml beaker. Boil about 20-ml of distilled water in a second 50 ml beaker for two min on a hot plate. Cool the water until able to handle the beaker without tongs, but the beaker is still hot to the touch. Add the hot water to the KI crystals until the water level is just above the crystals (do not add too much water). Stir the solution for five min; there must be some crystals left over after stirring and cooling. Store the solution in a dark place until ready to use. Must be made daily and checked for colorlessness. When doing large numbers of samples (8 samples in triplicate in one day), use 30 g KI and fill distilled boiled water up to the 30 ml line.

To test the KI solution, add 2 drops of starch solution to 0.5 ml of the KI solution in 30 ml of acetic acid/isooctane solution. If a blue color is formed that takes more than 1 drop of 0.1N sodium thiosulfate solution to discharge, discard the KI solution and prepare a fresh solution.

Starch Indicator Solution

Make a paste with 1 gram of starch and a small amount of cold distilled water in a 50 ml beaker. Boil 200 ml of distilled water in a 250 ml Erlenmeyer flask with a stir bar on a hot plate. Add the paste to the boiling water and boil for a few seconds. Immediately remove from heat and cool. Starch solution is only stable 2-3 weeks while refrigerated.

Sodium Dodecyl Sulfate Solution

Dissolve 10 g sodium dodecyl sulfate in 100 ml distilled water in a 250 ml Erlenmeyer flask. When refrigerated it will become solid and will need to be brought to room temperature before use. The morning of the analysis pull the reagents from the fridge and allow to come to room temperature for several hours.

Acetic Acid/Isooctane Solution

Using a 100 ml graduated cylinder measure out 300 ml of acetic acid and pour into a 500 ml Erlenmeyer flask. After triple rinsing the cylinder with isooctane, use it to measure out 100 ml of isooctane. While swirling the 500 ml Erlenmeyer flask, add the isooctane. Add a second 100 ml of isooctane while swirling the 500 ml Erlenmeyer flask. When doing 2 sets of 4 samples in triplicate, 1500 ml are needed (3 flasks)

Sodium Thiosulfate Titrant

- (Optional) The 1.0 N solution is prepared by dissolving 24.9 g of sodium thiosulfate in a 100 ml volumetric flask and diluting to volume with recently boiled distilled water.
- The 0.1 N solution is prepared by dissolving 24.9 g of sodium thiosulfate in distilled water in a 1000 ml volumetric flask and diluting to volume with recently boiled distilled water.
- The 0.01 N solution is prepared by accurately using a pipette to transfer 100 ml of 0.1 N sodium thiosulfate into a 1000 ml volumetric flask and diluting to volume with recently boiled distilled water.
- (Optional) The 0.001 N solution is prepared by accurately using a pipette to transfer 100 ml of 0.01 N sodium thiosulfate into a 1000 ml volumetric flask and accurately diluting to volume with recently boiled distilled water.

Standardization of Sodium Thiosulfate Titrant

Sodium Thiosulfate should be standardized according to the AOCS method using potassium dichromate. Potassium dichromate should be finely ground, dried at 105°C for 2 hours and cooled in a dessiccator. Weigh 0.16-0.22 g potassium dichromate into a 500 ml flask by difference. Dissolve in 25 ml distilled water, add 5 ml of concentrated HCl (35-37%), 20 ml of potassium iodide (15% solution, 15 g KI

in 100 ml water) and rotate to mix and allow to stand for 5 min. Then add 100 ml distilled water. Add 1-2 ml starch indicator solution and titrate with 0.1 M sodium thiosulfate.

Normality $Na_2S_sO_3$= (20.394 x mass Potassium dichromate)/ml sodium thiosulfate

Equipment set up

Burette

Determine the correct titrant concentration (see "Preparing and titrating the oil sample" section below) triple rinse the burette with the titrating solution by pouring about 5 ml of titrating solution into the burette and then capping the top. Invert the burette several times and drain the titrating solution out through the stopcock. Repeat twice. Place the burette in the clamp, using a glass funnel fill to the top with titrant. Remove funnel. Remove any air bubbles by draining off some titrant into the 250 ml waste beaker.

Preparation and titration of the blank

Before any samples are run a blank should be run. One blank is run before all samples and two blanks are run after all the oil samples are completed for the day. The values of the blanks are then averaged and that value is used to calculate the peroxide value. In a 250 ml flask, add 50 ml acetic acid/isooctane solution. Pipette in 0.5 ml of saturated KI with a mechanical pipette. Immediately after the KI addition swirl the flask 3-4 times while timing for one minute. After exactly one minute has elapsed add 30 ml of distilled water*. Pipette in 0.5 ml of SDS solution and 0.5 ml of starch solution with a mechanical pipette and swirl until there is uniform color. Titrate the blanks with the same concentration thiosulfate solution that will be used for the oil samples.

*It is helpful to use one graduated cylinder for the distilled water and to use another to fill 250 ml Erlenmeyer flasks with isooctane/acetic acid during the one minute wait time.

Preparing and titrating the oil sample

Weigh out 3 ± 0.05 g oil samples into three different 250 ml Erlenmeyer flasks. Turn off all lights but the bench lights to better see the color change. This will also help prevent the KI from turning yellow prematurely. Rinse the first 250 ml Erlenmeyer flask with 50 ml acetic acid/isooctane solution. This will remove any possible oil on the sides of the 250 ml Erlenmeyer flask. Swirl the acetic acid/isooctane and oil

until the oil is dissolved. Pipette in 0.5 ml of saturated KI with a mechanical pipette. Immediately after the KI addition swirl the flask 3-4 times while timing for exactly one minute.

During this one minute, rancidity of the oil will become apparent. If the solution is yellow, then there is minimum rancidity and 0.01 M titrant should be used. 0.001 M titrant may be used if the rancidity is very low. If the solution is orange, then there is medium rancidity and 0.1 M titrant should be used. If the solution is red, then there is high rancidity and 1.0 M titrant should be used. If less than 0.5 ml of titrant is used, the next lower concentration should be used.

Rancidity	Peroxide Value	Color Changes During Titration
High	High	Red → Orange → Yellow → Clear
Medium	Medium	Orange → Yellow → Clear
Low	0-2	Yellow or Light Yellow → Clear

Table 14: Color change seen during peroxide value titration

After exactly one minute has elapsed add 30 ml of distilled water. Pipette in 0.5 ml of SDS solution and 0.5 ml of starch indicator solution with a mechanical pipette and swirl the 250 ml Erlenmeyer flask until there is uniform color. After adding titrant to the burette (see burette section above), start titrating while continuing the hard swirling of the 250 ml Erlenmeyer flask. Keep titrating until a clear end point is reached. Repeat this process for the other two 250 ml Erlenmeyer flasks.

Notes

1. When looking for the clear endpoint, look at the bottom layer not the top layer.
2. With higher concentration of titrants like 0.1M and 1.0 M, it is easy to overshoot the endpoint because the equilibrium is not instantaneous. Therefore, it is essential to wait for them to equilibrate, and then observe the color change. When using 0. 1M wait 15 seconds for equilibration. When using 1.0 M wait 1 minute for equilibration.
3. If the initial oil is light in color, then the clear endpoint is clear. If the initial oil is darker, then the clear endpoint is darker or more opaque.

Equation 7: Calculating the Peroxide Value

$$PV = \frac{(S-B)\times N \times 1000}{(samplemass(g))}$$

B=ml of titrant used for the blank, S=ml of titrant used for the oil sample, N=normality of sodium thiosulfate solution.

Mayonnaise Preparation for Consumer Tests

Materials

Ingredient	% Ingredient	Mass ingredient (g)
Oil	73.59%	206.05
Egg Yolk	11.70%	32.76
Lemon Juice	7.18%	20.10
Water	7.17%	20.08
Salt	0.36%	1.01
Total	100%	280

Table 15: Mayonnaise Ingredients

Methods

1. Pasteurize the egg yolks in small sauce pan by combining the egg yolk, lemon juice, water, and salt with a whisk. Continuously whisk the mixture while heating over medium heat just till it boils. The mixture will foam up considerably when it boils.
2. Fill a food safe beaker with 72.0 ± 0.5 g egg mixture.
3. Begin to agitate mixture using KitchenAid KHB100OB variable speed immersion blender (KitchenAid, St. Joseph, MI) set to speed 5.
4. Very slowly begin to add the oil to the egg mixture. It works best if a small amount is added and incorporated fully before adding more.
5. As the oils becomes more oxidized care must be taken when forming the emulsion because the oxidized oil does not emulsify as easily as does fresh.
6. Prepare individual servings by transferring mayonnaise to a 12 oz plastic squeeze bottle (Libertyware, Clearfield, UT).
7. Squeeze a 3.5 ± 0.3 g dollop of mayonnaise into 0.5 oz squat plastic cups with snap on lids (Solo Cup Co., Highland Park, IL).
8. Store samples in fridge until just before serving

Descriptive Panels using Compusense® FCM®

These instructions assume that the user has basic knowledge of use of Compusense®

Initial User Set-Up

1. Open Compusense® 5.0
2. When prompted, "Enter User Code," enter a unique three digit code for use on descriptive panels. In order to use the FCM® portion of Compusense® quite a few settings are different than when used for acceptance panels.
3. Once a unique three digit code has been entered, a prompt, "Enter New User Name," will appear. Fill this in and you will be taken to the main menu page.

Changing Preferences

1. Go to the **Edit** tab at the top of the page.
2. On the drop down menu select **Preferences**.
3. A box, "Compusense System Preferences," will appear on the page with branching menus.
4. If doing panels under red lighting Click on the + by **Colors**
    a. Change the **'Are You?' Background Color** to Red
    b. Change the **'Are You?' Text Color** to a contrasting color, such as White
    c. Change the **Category Descriptor Font Color** to a contrasting color, black works fine
    d. Change the **Extra Area Background Color** to Red
    e. Change the **Instruction Text Background Color** to Red
    f. Change the **PopUp Text Background Color** to White
    g. Change the **Question Text Background Color** to White
5. Click on the + by **Feedback Calibration Method – Line Scale**
    a. Change **FCM** to on
    b. Change **Oval Color** to black
    c. Change **Oval Weight** (3 works well)
    d. Click **Text** and enter "Feedback" in the text box

e. Change **Text Color** to Black

6. If you want to change any fonts throughout the ballot, click on the + by **Fonts** and you can change it to how you would like it to look.
7. If you have entered your descriptive panelists into a database you can set the program to enter them automatically by clicking the + by **Project Parameters**
    a. Click on **Default Panelist Database** and select panelist database from menu.
8. Click the + by **Line Scale Question**
    a. Change **Line Color** to Black
    b. Change **Line Scale End Points** to Yes
    c. Change **Line Scale Left Value** to zero
    d. Change **Line Scale Length** to 1600
    e. Change **Line Scale Width** to three
    f. Change **Line Scale Right Value** to your desired end point often 15 or 100
    g. Change **Line Scale Autoforward** to off
    h. Change **Mark Color** to Red
    i. Change **Reference Color** to Red
9. Click the + by **Registration**
    a. Change **Registration** to, "Panelists must Register"
10. There are other options that can be changes through these menus, but this is all that was changed for the high oleic oil descriptive panels run in 2009-2010.

Building the Ballot

Creating a New Project File

1. From the main menu screen select the **File** tab
    a. Select **New Project**
    b. When prompted to enter, "File Name" type in a name for your file.
        i. It is helpful to have a system for naming your files so that you immediately know information about the test based on the name.

ii. Example: OIL 020210 DC01 Booths 1-3

1. OIL – indicates the type of product
2. 020210 – the date of the test (February 2, 2010)
3. DC – Data Collection
4. 01 – session 1 of data collection
5. Booths 1-3 – If running a split room panel it is helpful to identify in the panel name which booths the ballot is to be run on.

2. The main menu screen for the project is now open
    a. Enter the name of the project in the **Project Title** text box
        i. Usually the file name is appropriate for this area
    b. In the **Description** text box of the main project window enter project details

Entering New Questions

1. Click on the **Questionnaire** button to go to the main questionnaire screen
    a. Change the **Welcome Text** by clicking the button next to **Custom**, and then by clicking the **Edit** button.
        i. Enter welcome text, for example:
            1. Welcome to the Food Science Sensory Laboratory. A copy of the form titled "Consent to Be a Research Subject" is posted on the wall of the booth. Pease read it carefully before continuing. By continuing and typing in your name, you acknowledge that you have read and understand the consent form, and desire of your own free will and volition to participate in this study and accept the benefits and risks relating to the study. You may withdraw at any time without penalty. Please inform the receptionist if you wish to withdraw. To start the test, click on the Continue button below:
    b. To add **Instructions** click the button next to the **Yes**, and then by clicking the **Edit** button.

i. On this screen you give instructions about the overall test, such as:

1. You will evaluate Five oil samples in this booth for aroma and flavor. The samples will be served side-by-side, however you are to evaluate the samples INDIVIDUALLY. To receive your first sample press the button marked “ready’ to the right of the monitor. Double check each sample # with the # listed on the screen before evaluating.

c. Change the **Thank You Text** by clicking the button next to **Custom**, and then by clicking the **Edit** button.

i. On this screen you can thank the panelist as well as give any additional instructions that are needed, for example:

1. Thank you! Click the “finished” button at the bottom left of the monitor. Press the “finished” button to the right of the monitor. Please return to the receptionist’s desk to finish your panel in booths 4-7.

d. Click the **Add** button and select **Line Scale**

i. In the **Title** text box, enter the type of attributes to be evaluated (i.e. appearance, texture, aroma, flavor, etc.)

ii. In the **Text** box, give instructions to the panelists such as, “Remove the lid from sample %01 and smell it. Please evaluate the sample for the following attributes based on aroma. DO NOT TASTE YOUR SAMPLE YET.”

1. Using %01 will include the sample blinding code in the instructions.

iii. Under the **Current Attribute** heading enter the name of the attribute to be tested in the **Name** text box

1. For the attribute names to appear on the panelist screen, paste individual attribute names above the line scale, in the text box with the line scale

2. Enter anchors above or below the line scale in this same box.

iv. To add additional attributes click the **Add** button under the **Attribute** heading.

1. You can add up to 5 attributes, any more than this and it will have to be under a separate question.

v. To allow feedback to be given to panelists, click the check box next to FCM® located in the lower right hand corner.

vi. View the question to make sure all the details appear correctly.

vii. Click **OK** to go back to the main questionnaire screen.

viii. Now that a line scale question has been created, save it for future use as a line scale question template.

1. Click on the **File** tab and in the drop down menu select **Save Question**.

a. Give the question a name and click **OK**.

e. To add other line scale questions from the main questionnaire screen, click the **Add** button and select **Line Scale**

i. Click on the **File** tab and in the drop down menu select **Load Question**.

ii. Modify the question the portions of the question to fit the type of attributes being evaluated for.

f. Add a **Comment** question if you want to get any unstructured comments

g. Add a **Time Delay** question if you want to hold the panelists between samples, some products need this, but with the oil samples the panelists found the time delay to be cumbersome.

i. Instruct panelists to cleanse their palette during the time delay.

ii. Enter as many time delays as there are samples in the test. The last time delay should be set to zero.

h. Once the questionnaire is complete, click the **OK** button to return to the main project menu screen.

Entering New Products

1. Click the **Products** button to enter new products

a. Click the **Generate** button on the bottom left of the screen

b. Enter the number of product in the **How Many Product?** text box. Click **OK**.
    i. The number of products you entered in the text box should correlate to the number of rows on the table that appears, if it differs you can add or delete rows using the options to the left of the table.
    ii. Enter the blinding codes of the samples in the **Code** column.
    iii. Enter your sample names in the **Name** column.
c. Click **OK** in the bottom right of the screen, to return to the main project menu screen.

Entering the Design

1. Click the **Design** button to select the design for your project.
    a. Select the design that matches what you have planned to do. The following instructions are given as if there are five samples and all possible combinations are desired.
    b. Under the **Plan** heading enter the number of samples, this may be populated if you already entered your products.
    c. Click the **Select Plan** button
        i. Select the plan desired, in this case **All Possible Combinations Quantitative Descriptive**
    d. Under the **Blocking Factor** heading change the factor to equal the number of panelists you are planning to be able to serve.
    e. Under the **Options** heading
        i. **Blinding Codes** should be set to constant
        ii. **Randomize Sample Presentation Order** settings change depending on whether the test being run is a training test or a data collection test
            1. For a training test – set to NO, this ensures that you train all panelists in the same manner.
            2. For a data collection test – set to YES, this removes sample order bias.
        iii. **Randomize Block Presentation Order** should be set to NO
    f. Click **OK** to return to the main project menu screen.

Entering Panelists

1. Click the **Panelist** button to set the panelists for your panel.
    a. If you have not set up a database, click **Generate**
        i. Enter the number of panelists in the **How Many Panelists?** text box. Click **OK**.
            1. The number of panelists you entered in the text box should correlate to the number of rows on the table that appears, if it differs you can add or delete rows using the options to the left of the table.
            2. If you have assigned codes to the panelists, enter them in the **Code** column
            3. Enter your panelists' names in the **Name** column
    b. If you have set up a database and did not set it as one of your preferences, click the **Use Database button** below the **Generate** button.
        i. Select your database from the menu that pops up
        ii. Click **OK** to return to the Panelist menu screen
    c. Click **OK** to return to the main project menu screen

Assembling the Project and Entering Feedback

1. Click the **Assemble** button
    a. If you did not set in the Preferences that your panelists would must register, under the **Panelist Registration** select **Panelists Must Register** from the drop down menu.
    b. Change the **Blinding Codes** to match the blinding codes you set in the **Product Codes**
    c. Click **OK.**
    d. The screen that appears now is for setting of targets and ranges – this is how the computer knows what feedback to give.
    e. Feedback can be obtained from previous training results, historical data, or gold standard data. (The process to get feedback data from prior panels will be discussed in the Generating Reports Generating Targets and Ranges section)

i. If you don't have feedback for a certain product or a certain attribute, leave the space blank.

ii. If you have feedback for product X with attribute Y, find the attribute on the left of the table and the product on the top of the table and enter the feedback in the spaces provided.

1. The target space is for if you want to give the mean of the attribute as feedback.
2. The range spaces are for the lower and upper limits of the confidence intervals.

f. Once you have entered what feedback you desire, click the **OK** button to return to the main project menu screen.

Testing the Ballot

1. Click **Test**,
    a. In the popup menu make sure the check boxes next to **Allow Panelist to ESCape from Presentation** and **Show Registration Feedback** is selected with a check mark.
    b. Click **Present Project**
        i. Proceed through the ballot, ensuring that it flows the way it should, there are no typos, all the products are shown, and that instructions are clear. A good idea is to have a person not involved in the building of the presentation to test it.
    c. Once anything wrong has been fixed the project is ready to be run.

Generating Reports

Scatter Plot Report

To generate the scatter plots CompusenseScatterPlot.xlsx is needed. To get this spreadsheet contact Compusense® and they will email it to you. This spreadsheet allows for use of exported line scale data from Compusense® *five* to create scatter plots. The scatter plots give a quick overview by plotting the values of each product by panelist and attribute.

Export data from Compusense® five.

1. On the main project menu screen, click the **Results** button.
2. On the **Exports** menu, click **Results**.
3. In the Export Results window:
    a. Select the line scale attributes to be included in the scatter plots.
    b. Click the down arrow in the bottom left dropdown menu and select the export type, **Sample Related Data (Multivariate)**.
    c. In the dropdown menu on the right, select **Comma Delimited:.CSV**.
    d. Click the **Export** button.
        i. In the Export box, select where you want to save the file, type a file name and then click **Open**.
            1. In the **Fields** box select *only* the following fields
                a. Project Name
                b. Sample Set Number
                c. Registration Code
                d. Sample Number
                e. Sample Code or Sample Name (Sample Name is usually more helpful)
                f. <<Column Headers>>
            2. Click **OK.**
        ii. In the Export box, do not "Invoke the application associated with CSV" click **Cancel**.

Import and Plot the data in Excel

1. Open the Excel Workbook file obtained from Compusense® (CompusenseScatterPlot.xlsx). To run this spreadsheet macros must be enabled.
2. The workbook will open with two worksheets. Select the **Data Import Sheet**. Click on the button with the Compusense® hand logo to open the Scatter Plots Control Window.

3. In the Scatter Plots Control Window
    a. Click the **Clear Compusense Data** and **Clear Plots** buttons.
    b. Click the **Import Compusense Data** button
        i. In the Open box, browse to find the .CSV file exported from Compusense® *five*, and click **Open**.
        ii. Sometimes this import step can take a while.
    c. If not correctly populated, type the following information in the appropriate spaces
        i. **Number of Result Sets** type the number of panelists who provided data – you can get this number from on the **Results** button on the main project menu screen of Compusense® *five*.
        ii. **Number of Attributes** this should be automatically populated from the number of attributes in the imported data.
        iii. **Line Scale Values** Type the values assigned in the project to the left and right ends of the scale.
    d. Click the **Create Plots** button, then click **Yes** to confirm the information in the boxes is correct.
        i. This step can take a long time, it depends on how much data there is to work with. Some very large sets can take upwards 30 min.
4. When done running the scatter plots will be displayed in the **ScatterPlots** worksheet. A separate plot is created for each product/attribute combination. Each column displays the plots for one attribute, with the value range noted at the top and bottom of each column. Each row displays the plots for one product. Panelists are identified by their registration code at the left and right. The gray line within each individual plot is the average for all the values.
    a. The scatter plots are for quick identification of panelists that need more training, for attributes, or products that are difficult and need more exposure during training.
    b. To save the data, be sure to do a SAVE AS procedure, as if you save changes to the CompusenseScatterPlot.xlsx spreadsheet, it will overwrite the customizations.

Generating Targets and Ranges

The FCM® Macro will have to acquired from Compusense® and installed in the toolbar of Excel.

1. On the main project menu screen, click the **Results** button.
    a. Select only the line scale questions
    b. Select **Exports** and then **Summary Report**
        i. Select the **Comma Delimited (.CSV)** option and click **OK**.
            1. Give the file and name and save it to a location where it can be easily found, then click **Open**.
                a. In the Fields Box select the following fields
                    i. Project Name
                    ii. Number of Evaluations
                    iii. Project Date
                    iv. Project Information Key
                    v. Product Number
                    vi. Product Code
                    vii. Attribute Title
                    viii. Standard Deviation
                    ix. Column Headers
                b. Click **OK**, when prompted select **YES** to "invoke CSV application"
2. In Microsoft Excel® click on the FCM® macro button added to the toolbar.
    a. In the prompt box enter the confidence value you wish to use (0.05 for a 95% confidence interval), click **OK**.
    b. Look at the **CI FCM** worksheet for the target and range information.

SAS Output for Overall Acceptance of Samples as compared to Control

9 point hedonic slopes

HOCAN

Obs	Effect	oil	temptime	_oil	_temptime	Estimate	StdErr	DF	tValue	Probt
1	oil*temptime	HOCAN	-5000	HOCAN	3040	0.1081	0.1514	33	0.71	0.4801
2	oil*temptime	HOCAN	-5000	HOCAN	3042	0.2496	0.1514	33	1.65	0.1086
3	oil*temptime	HOCAN	-5000	HOCAN	3044	0.1364	0.1514	33	0.90	0.3740
4	oil*temptime	HOCAN	-5000	HOCAN	3046	0.2402	0.1514	33	1.59	0.1221
5	oil*temptime	HOCAN	-5000	HOCAN	4034	0.1604	0.1514	33	1.06	0.2969
6	oil*temptime	HOCAN	-5000	HOCAN	4036	0.04777	0.1514	33	0.32	0.7543
7	oil*temptime	HOCAN	-5000	HOCAN	4038	0.3344	0.1514	33	2.21	0.0342
8	oil*temptime	HOCAN	-5000	HOCAN	4040	0.2898	0.1514	33	1.91	0.0643
9	oil*temptime	HOCAN	-5000	HOCAN	5026	0.3728	0.1514	33	2.46	0.0192
10	oil*temptime	HOCAN	-5000	HOCAN	5028	0.3638	0.1514	33	2.40	0.0220
11	oil*temptime	HOCAN	-5000	HOCAN	5030	0.5067	0.1514	33	3.35	0.0020
12	oil*temptime	HOCAN	-5000	HOCAN	5032	0.5156	0.1514	33	3.41	0.0017
13	oil*temptime	HOCAN	-5000	HOCAN	6022	0.4090	0.1514	33	2.70	0.0108
14	oil*temptime	HOCAN	-5000	HOCAN	6024	0.4544	0.1514	33	3.00	0.0051
15	oil*temptime	HOCAN	-5000	HOCAN	6026	0.6544	0.1514	33	4.32	0.0001
16	oil*temptime	HOCAN	-5000	HOCAN	6028	0.5453	0.1514	33	3.60	0.0010
426	oil*temptime	HOSUN	-5000	HOSUN	3040	0.3901	0.1514	33	2.58	0.0146
427	oil*temptime	HOSUN	-5000	HOSUN	3042	0.7026	0.1514	33	4.64	<.0001
428	oil*temptime	HOSUN	-5000	HOSUN	3044	0.4347	0.1514	33	2.87	0.0071
429	oil*temptime	HOSUN	-5000	HOSUN	3046	0.4704	0.1514	33	3.11	0.0039
430	oil*temptime	HOSUN	-5000	HOSUN	4034	0.3873	0.1514	33	2.56	0.0153
431	oil*temptime	HOSUN	-5000	HOSUN	4036	0.5123	0.1514	33	3.38	0.0019
432	oil*temptime	HOSUN	-5000	HOSUN	4038	0.4546	0.1854	33	2.45	0.0197
433	oil*temptime	HOSUN	-5000	HOSUN	4040	0.6854	0.1514	33	4.53	<.0001
434	oil*temptime	HOSUN	-5000	HOSUN	5026	0.5245	0.1514	33	3.46	0.0015
435	oil*temptime	HOSUN	-5000	HOSUN	5028	0.8578	0.1514	33	5.67	<.0001
436	oil*temptime	HOSUN	-5000	HOSUN	5030	0.7789	0.1514	33	5.15	<.0001
437	oil*temptime	HOSUN	-5000	HOSUN	5032	0.7701	0.1514	33	5.09	<.0001
438	oil*temptime	HOSUN	-5000	HOSUN	6022	0.04098	0.1514	33	0.27	0.7883
439	oil*temptime	HOSUN	-5000	HOSUN	6024	0.1586	0.1514	33	1.05	0.3023
440	oil*temptime	HOSUN	-5000	HOSUN	6026	0.2861	0.1514	33	1.89	0.0676
441	oil*temptime	HOSUN	-5000	HOSUN	6028	0.1978	0.1514	33	1.31	0.2003

SAS Output for Principal Component Analysis

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Observations	66
Variables	35

Simple Statistics

	Hexanal__grassy_	__heptanal__fat_citrus_rancid_	octanal__fruity_	__octanal__fat_soap_lemon_green_	octanone__soap_gasoline_
Mean	1.496864832	1.291621234	3.079606908	1.726389927	0.6320947768
StD	2.031188919	3.444917987	2.659575779	3.646036998	0.8012891672

Simple Statistics

	heptanoic_acid__oily_rancid_	nonanal__fruity_	nonanol__fat_green_	__decanone__plastic_	trans_trans_2_4_nonadienal__gera
Mean	0.5705987104	10.95749419	0.583607827	0.5944306204	0.8966825287
StD	0.3574482387	12.60730631	1.073028620	0.2970908760	0.4301767601

Simple Statistics

	nonanoic_acid__green_fat_	undecanal__coconut_	__decenal__acrid_	Paint_Aroma	Green_Aroma	Pine_Aroma
Mean	18.24012590	15.83039941	2.319479531	3.953881073	1.424284512	0.5079425204
StD	9.68076075	7.00624651	2.779826954	3.537078245	1.205576486	0.5175886342

Simple Statistics

	Fish_Aroma	Sulfur_Aroma	Solvent_Aroma	Cardboard_Aroma	Fruity_Floral_Aroma	Musty_Aroma
Mean	0.6235119048	0.2711369649	3.500931938	1.086925806	0.8635582011	0.982813252
StD	0.8683231974	0.4284369436	2.371763903	1.075774360	0.9276760032	1.134660113

Simple Statistics

	Stale_Nut_Aroma	Paint_Flavor	Green_Flavor	Pine_Flavor	Fish_Flavor	Sulfur_Flavor
Mean	0.4847372535	5.017815055	1.715975228	0.5311237374	1.057560726	0.5491071429
StD	0.6843710650	4.729424378	1.188442859	0.6698810054	1.299219892	0.7147812606

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Simple Statistics

	Solvent_ Flavor	Cardboard_ Flavor	Fruity_ Floral_ Flavor	Musty_Flavor	Stale_Nut_ Flavor	Overall_ Acceptance
Mean	3.889186508	3.171780303	0.5793861231	1.860741342	1.467210798	5.370754625
StD	2.926149573	2.765177750	0.6547556407	1.817594783	1.593910751	0.369325597

Simple Statistics

	Peroxide_ Value
Mean	6.92953652
StD	15.16997948

Correlation Matrix

Hexanal__grassy_	Hexanal (grassy)
__heptanal__fat_citrus_rancid_	2-heptanal (fat/citrus/rancid)
octanal__fruity_	octanal (fruity)
__octanal__fat_soap_lemon_green_	2-octanal (fat/soap/lemon/green)
octanone__soap_gasoline_	octanone (soap/gasoline)
heptanoic_acid__oily_rancid_	heptanoic acid (oily/rancid)
nonanal__fruity_	nonanal (fruity)
nonanol__fat_green_	nonanol (fat/green)
__decanone__plastic_	2-decanone (plastic)
trans_trans_2_4_nonadienal__gera	trans,trans-2,4-nonadienal (geranium/pungent)
nonanoic_acid__green_fat_	nonanoic acid (green/fat)
undecanal__coconut_	undecanal (coconut)
__decenal__acrid_	2-decenal (acrid)
Paint_Aroma	Paint Aroma
Green_Aroma	Green Aroma
Pine_Aroma	Pine Aroma
Fish_Aroma	Fish Aroma
Sulfur_Aroma	Sulfur Aroma
Solvent_Aroma	Solvent Aroma
Cardboard_Aroma	Cardboard Aroma
Fruity_Floral_Aroma	Fruity/Floral Aroma
Musty_Aroma	Musty Aroma
Stale_Nut_Aroma	Stale Nut Aroma
Paint_Flavor	Paint Flavor
Green_Flavor	Green Flavor
Pine_Flavor	Pine Flavor
Fish_Flavor	Fish Flavor
Sulfur_Flavor	Sulfur Flavor

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Correlation Matrix

Solvent_Flavor	Solvent Flavor
Cardboard_Flavor	Cardboard Flavor
Fruity_Floral_Flavor	Fruity/Floral Flavor
Musty_Flavor	Musty Flavor
Stale_Nut_Flavor	Stale Nut Flavor
Overall_Acceptance	Overall Acceptance
Peroxide_Value	Peroxide Value

Correlation Matrix

	Hexanal__grassy_	__heptanal__fat_citrus_rancid_	octanal__fruity_	__octanal__fat_soap_lemon_green_
Hexanal__grassy_	1.0000	0.9628	0.3526	0.9449
__heptanal__fat_citrus_rancid_	0.9628	1.0000	0.1700	0.9781
octanal__fruity_	0.3526	0.1700	1.0000	0.2459
__octanal__fat_soap_lemon_green_	0.9449	0.9781	0.2459	1.0000
octanone__soap_gasoline_	0.0974	0.0147	0.2947	0.0742
heptanoic_acid__oily_rancid_	-.4067	-.3912	0.0252	-.3187
nonanal__fruity_	0.3225	0.1559	0.9062	0.2175
nonanol__fat_green_	0.7894	0.8379	0.2868	0.9153
__decanone__plastic_	0.3770	0.2916	0.6486	0.3606
trans_trans_2_4_nonadienal__gera	0.2133	0.1031	0.4468	0.1623
nonanoic_acid__green_fat_	0.6157	0.5064	0.7924	0.5626
undecanal__coconut_	0.5850	0.5135	0.7493	0.6089
__decenal__acrid_	-.0665	-.0902	0.2141	-.0477
Paint_Aroma	0.6873	0.7070	0.0714	0.6062
Green_Aroma	0.3480	0.3529	0.1799	0.3475
Pine_Aroma	0.4532	0.5365	-.0329	0.5380
Fish_Aroma	0.2172	0.2440	0.0525	0.2777
Sulfur_Aroma	0.4267	0.3605	0.0262	0.2661
Solvent_Aroma	0.4845	0.4688	0.2688	0.4188
Cardboard_Aroma	0.4661	0.5074	0.2485	0.5419
Fruity_Floral_Aroma	-.0799	-.0854	0.0103	-.0665
Musty_Aroma	0.3205	0.3807	0.0405	0.4177
Stale_Nut_Aroma	0.0102	-.0447	0.1598	-.0416
Paint_Flavor	0.7687	0.7815	0.1907	0.7154
Green_Flavor	0.3402	0.3695	0.1223	0.3286
Pine_Flavor	0.5708	0.6489	0.0565	0.6425
Fish_Flavor	0.1122	0.1709	-.0340	0.2122
Sulfur_Flavor	0.5766	0.5755	0.0279	0.5216
Solvent_Flavor	0.5598	0.5531	0.3583	0.5282
Cardboard_Flavor	0.0871	0.0823	0.2359	0.1319
Fruity_Floral_Flavor	-.1777	-.1497	-.1254	-.1328
Musty_Flavor	0.1263	0.1795	0.0464	0.2280
Stale_Nut_Flavor	0.5555	0.5065	0.1962	0.5151

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Correlation Matrix

	Hexanal__grassy_	__heptanal__fat_citrus_rancid_	octanal__fruity_	__octanal__fat_soap_lemon_green_
Overall_Acceptance	-.6855	-.6760	-.1516	-.6267
Peroxide_Value	0.7660	0.8273	0.0729	0.7468

Correlation Matrix

	octanone__soap_gasoline_	heptanoic_acid__oily_rancid_	nonanal__fruity_	nonanol__fat_green_
Hexanal__grassy_	0.0974	-.4067	0.3225	0.7894
__heptanal__fat_citrus_rancid_	0.0147	-.3912	0.1559	0.8379
octanal__fruity_	0.2947	0.0252	0.9062	0.2868
__octanal__fat_soap_lemon_green_	0.0742	-.3187	0.2175	0.9153
octanone__soap_gasoline_	1.0000	0.2448	0.1013	0.1832
heptanoic_acid__oily_rancid_	0.2448	1.0000	-.0091	-.1908
nonanal__fruity_	0.1013	-.0091	1.0000	0.2302
nonanol__fat_green_	0.1832	-.1908	0.2302	1.0000
__decanone__plastic_	0.3180	0.0469	0.5675	0.4297
trans_trans_2_4_nonadienal__gera	0.6491	0.1397	0.3213	0.2512
nonanoic_acid__green_fat_	0.2040	-.0116	0.8343	0.5536
undecanal__coconut_	0.2346	0.0978	0.7777	0.6583
__decenal__acrid_	0.0474	0.3006	0.2063	0.0116
Paint_Aroma	-.0283	-.3196	0.1256	0.4150
Green_Aroma	0.1492	-.0160	0.2222	0.3845
Pine_Aroma	0.0234	-.0537	-.0136	0.5625
Fish_Aroma	-.0478	-.0110	0.1203	0.2808
Sulfur_Aroma	-.1074	-.2436	0.1069	0.0009
Solvent_Aroma	-.0450	-.1300	0.2779	0.3485
Cardboard_Aroma	-.0653	0.0613	0.2985	0.5539
Fruity_Floral_Aroma	-.0561	-.0637	-.1006	-.0164
Musty_Aroma	-.0016	0.0956	0.0366	0.4797
Stale_Nut_Aroma	0.3019	0.1617	0.1865	0.0039
Paint_Flavor	0.0043	-.3420	0.2137	0.5455
Green_Flavor	0.0779	-.1028	0.1358	0.3156
Pine_Flavor	-.0448	-.2315	0.0412	0.6103
Fish_Flavor	-.0410	0.0307	0.0202	0.2922
Sulfur_Flavor	-.1174	-.3126	0.1023	0.3234
Solvent_Flavor	-.0503	-.1578	0.3958	0.4213
Cardboard_Flavor	-.0838	0.3758	0.3269	0.1714
Fruity_Floral_Flavor	-.1823	-.1452	-.1678	-.1040
Musty_Flavor	-.1066	0.2759	0.0914	0.2943
Stale_Nut_Flavor	0.1247	-.0938	0.2231	0.4108
Overall_Acceptance	0.0306	0.1285	-.1518	-.4232

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Correlation Matrix

	octanone__ soap_gasoline_	heptanoic_ acid__oily_ rancid_	nonanal__ fruity_	nonanol__ fat_green_
Peroxide_Value	-.0106	-.3080	0.0833	0.6230

Correlation Matrix

	__decanone__ plastic_	trans_trans_2_4_ nonadienal__gera	nonanoic_ acid__green_ fat_
Hexanal__grassy_	0.3770	0.2133	0.6157
__heptanal__fat_citrus_rancid_	0.2916	0.1031	0.5064
octanal__fruity_	0.6486	0.4468	0.7924
__octanal__fat_soap_lemon_green_	0.3606	0.1623	0.5626
octanone__soap_gasoline_	0.3180	0.6491	0.2040
heptanoic_acid__oily_rancid_	0.0469	0.1397	-.0116
nonanal__fruity_	0.5675	0.3213	0.8343
nonanol__fat_green_	0.4297	0.2512	0.5536
__decanone__plastic_	1.0000	0.5168	0.6512
trans_trans_2_4_nonadienal__gera	0.5168	1.0000	0.4140
nonanoic_acid__green_fat_	0.6512	0.4140	1.0000
undecanal__coconut_	0.6766	0.4173	0.9505
__decenal__acrid_	0.1778	0.1528	0.0908
Paint_Aroma	0.2310	0.1238	0.3449
Green_Aroma	0.3618	0.2293	0.3725
Pine_Aroma	0.2445	0.1322	0.2626
Fish_Aroma	0.0604	-.0614	0.2719
Sulfur_Aroma	0.0588	0.0016	0.1321
Solvent_Aroma	0.3113	0.0559	0.4027
Cardboard_Aroma	0.3262	0.0610	0.4969
Fruity_Floral_Aroma	0.0969	0.0191	-.0539
Musty_Aroma	0.2246	-.0152	0.2553
Stale_Nut_Aroma	0.0312	0.0774	0.2347
Paint_Flavor	0.3996	0.1249	0.4484
Green_Flavor	0.2832	0.1176	0.3321
Pine_Flavor	0.2354	0.0578	0.2997
Fish_Flavor	0.0299	-.0108	0.1707
Sulfur_Flavor	0.1905	-.1116	0.2246
Solvent_Flavor	0.3558	0.1097	0.4998
Cardboard_Flavor	0.2640	-.0170	0.3510
Fruity_Floral_Flavor	-.1152	-.2147	-.2119
Musty_Flavor	0.1615	-.0812	0.1654
Stale_Nut_Flavor	0.3115	0.1026	0.3942
Overall_Acceptance	-.3027	-.1020	-.3903
Peroxide_Value	0.1608	0.0965	0.3967

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Correlation Matrix

	undecanal__ coconut_	__decenal__ acrid_	Paint_ Aroma	Green_ Aroma	Pine_ Aroma
Hexanal__grassy_	0.5850	-.0665	0.6873	0.3480	0.4532
__heptanal__fat_citrus_rancid_	0.5135	-.0902	0.7070	0.3529	0.5365
octanal__fruity_	0.7493	0.2141	0.0714	0.1799	-.0329
__octanal__fat_soap_lemon_green_	0.6089	-.0477	0.6062	0.3475	0.5380
octanone__soap_gasoline_	0.2346	0.0474	-.0283	0.1492	0.0234
heptanoic_acid__oily_rancid_	0.0978	0.3006	-.3196	-.0160	-.0537
nonanal__fruity_	0.7777	0.2063	0.1256	0.2222	-.0136
nonanol__fat_green_	0.6583	0.0116	0.4150	0.3845	0.5625
__decanone__plastic_	0.6766	0.1778	0.2310	0.3618	0.2445
trans_trans_2_4_nonadienal__gera	0.4173	0.1528	0.1238	0.2293	0.1322
nonanoic_acid__green_fat_	0.9505	0.0908	0.3449	0.3725	0.2626
undecanal__coconut_	1.0000	0.1848	0.2756	0.3611	0.3337
__decenal__acrid_	0.1848	1.0000	-.0826	-.0000	0.0463
Paint_Aroma	0.2756	-.0826	1.0000	0.4991	0.4905
Green_Aroma	0.3611	-.0000	0.4991	1.0000	0.4213
Pine_Aroma	0.3337	0.0463	0.4905	0.4213	1.0000
Fish_Aroma	0.2890	-.0486	0.0658	0.3157	0.1707
Sulfur_Aroma	0.0573	-.1105	0.4094	0.0353	0.1235
Solvent_Aroma	0.3761	0.1289	0.6757	0.3145	0.5088
Cardboard_Aroma	0.5595	0.3291	0.3100	0.4598	0.4182
Fruity_Floral_Aroma	-.0514	-.0951	-.1497	0.0902	-.0369
Musty_Aroma	0.3234	-.0204	0.2938	0.4232	0.2943
Stale_Nut_Aroma	0.1634	0.1369	0.0154	0.2504	0.2199
Paint_Flavor	0.4154	-.0251	0.8242	0.5680	0.4241
Green_Flavor	0.3094	0.0144	0.5363	0.6128	0.4457
Pine_Flavor	0.3514	-.0292	0.4958	0.3607	0.7163
Fish_Flavor	0.2239	0.0000	0.0859	0.3393	0.1526
Sulfur_Flavor	0.1988	-.1709	0.5158	0.1990	0.2624
Solvent_Flavor	0.4826	0.2077	0.5895	0.4046	0.3270
Cardboard_Flavor	0.4086	0.1132	0.0800	0.2372	0.1603
Fruity_Floral_Flavor	-.1657	-.1173	-.2781	-.1454	-.1723
Musty_Flavor	0.2804	0.3619	0.2434	0.3904	0.3321
Stale_Nut_Flavor	0.3816	-.0453	0.2766	0.3111	0.2499
Overall_Acceptance	-.3838	0.0184	-.6876	-.2574	-.4901
Peroxide_Value	0.3441	-.1025	0.7927	0.3819	0.4923

Correlation Matrix

	Fish_ Aroma	Sulfur_ Aroma	Solvent_ Aroma	Cardboard_ Aroma	Fruity_ Floral_ Aroma
Hexanal__grassy_	0.2172	0.4267	0.4845	0.4661	-.0799
__heptanal__fat_citrus_rancid_	0.2440	0.3605	0.4688	0.5074	-.0854

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Correlation Matrix

	Fish_ Aroma	Sulfur_ Aroma	Solvent_ Aroma	Cardboard_ Aroma	Fruity_ Floral_ Aroma
octanal__fruity_	0.0525	0.0262	0.2688	0.2485	0.0103
__octanal__fat_soap_lemon_green_	0.2777	0.2661	0.4188	0.5419	-.0665
octanone__soap_gasoline_	-.0478	-.1074	-.0450	-.0653	-.0561
heptanoic_acid__oily_rancid_	-.0110	-.2436	-.1300	0.0613	-.0637
nonanal__fruity_	0.1203	0.1069	0.2779	0.2985	-.1006
nonanol__fat_green_	0.2808	0.0009	0.3485	0.5539	-.0164
__decanone__plastic_	0.0604	0.0588	0.3113	0.3262	0.0969
trans_trans_2_4_nonadienal__gera	-.0614	0.0016	0.0559	0.0610	0.0191
nonanoic_acid__green_fat_	0.2719	0.1321	0.4027	0.4969	-.0539
undecanal__coconut_	0.2890	0.0573	0.3761	0.5595	-.0514
__decenal__acrid_	-.0486	-.1105	0.1289	0.3291	-.0951
Paint_Aroma	0.0658	0.4094	0.6757	0.3100	-.1497
Green_Aroma	0.3157	0.0353	0.3145	0.4598	0.0902
Pine_Aroma	0.1707	0.1235	0.5088	0.4182	-.0369
Fish_Aroma	1.0000	-.0148	0.0052	0.2677	0.1886
Sulfur_Aroma	-.0148	1.0000	0.2998	0.0568	-.0919
Solvent_Aroma	0.0052	0.2998	1.0000	0.4136	0.0502
Cardboard_Aroma	0.2677	0.0568	0.4136	1.0000	-.0436
Fruity_Floral_Aroma	0.1886	-.0919	0.0502	-.0436	1.0000
Musty_Aroma	0.4245	-.0793	0.2534	0.5176	0.0516
Stale_Nut_Aroma	0.1576	-.0833	0.1021	0.0575	-.0612
Paint_Flavor	0.1947	0.4338	0.5412	0.4230	-.1863
Green_Flavor	0.2215	0.0008	0.4416	0.4126	-.1668
Pine_Flavor	0.1631	0.2412	0.4366	0.4854	0.0674
Fish_Flavor	0.6258	-.1077	0.0899	0.3194	0.2557
Sulfur_Flavor	0.0665	0.5782	0.4073	0.1369	-.0656
Solvent_Flavor	0.0800	0.2825	0.6612	0.4349	-.1275
Cardboard_Flavor	0.0875	0.0725	0.2873	0.3961	0.0333
Fruity_Floral_Flavor	-.0196	-.0997	-.1793	-.2236	0.6344
Musty_Flavor	0.2130	-.0496	0.4486	0.5400	0.1269
Stale_Nut_Flavor	0.2443	0.4791	0.1779	0.2803	-.0752
Overall_Acceptance	-.0650	-.4980	-.5235	-.3290	0.2269
Peroxide_Value	0.1017	0.1771	0.5102	0.4083	-.0531

Correlation Matrix

	Musty_ Aroma	Stale_ Nut_Aroma	Paint_ Flavor	Green_ Flavor	Pine_ Flavor	Fish_ Flavor
Hexanal__grassy_	0.3205	0.0102	0.7687	0.3402	0.5708	0.1122
__heptanal__fat_citrus_rancid_	0.3807	-.0447	0.7815	0.3695	0.6489	0.1709
octanal__fruity_	0.0405	0.1598	0.1907	0.1223	0.0565	-.0340
__octanal__fat_soap_lemon_green_	0.4177	-.0416	0.7154	0.3286	0.6425	0.2122

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The PRINCOMP Procedure

Correlation Matrix

	Musty_ Aroma	Stale_ Nut_Aroma	Paint_ Flavor	Green_ Flavor	Pine_ Flavor	Fish_ Flavor
octanone__soap_gasoline_	-.0016	0.3019	0.0043	0.0779	-.0448	-.0410
heptanoic_acid__oily_rancid_	0.0956	0.1617	-.3420	-.1028	-.2315	0.0307
nonanal__fruity_	0.0366	0.1865	0.2137	0.1358	0.0412	0.0202
nonanol__fat_green_	0.4797	0.0039	0.5455	0.3156	0.6103	0.2922
__decanone__plastic_	0.2246	0.0312	0.3996	0.2832	0.2354	0.0299
trans_trans_2_4_nonadienal__gera	-.0152	0.0774	0.1249	0.1176	0.0578	-.0108
nonanoic_acid__green_fat_	0.2553	0.2347	0.4484	0.3321	0.2997	0.1707
undecanal__coconut_	0.3234	0.1634	0.4154	0.3094	0.3514	0.2239
__decenal__acrid_	-.0204	0.1369	-.0251	0.0144	-.0292	0.0000
Paint_Aroma	0.2938	0.0154	0.8242	0.5363	0.4958	0.0859
Green_Aroma	0.4232	0.2504	0.5680	0.6128	0.3607	0.3393
Pine_Aroma	0.2943	0.2199	0.4241	0.4457	0.7163	0.1526
Fish_Aroma	0.4245	0.1576	0.1947	0.2215	0.1631	0.6258
Sulfur_Aroma	-.0793	-.0833	0.4338	0.0008	0.2412	-.1077
Solvent_Aroma	0.2534	0.1021	0.5412	0.4416	0.4366	0.0899
Cardboard_Aroma	0.5176	0.0575	0.4230	0.4126	0.4854	0.3194
Fruity_Floral_Aroma	0.0516	-.0612	-.1863	-.1668	0.0674	0.2557
Musty_Aroma	1.0000	0.1754	0.3239	0.2860	0.3782	0.4784
Stale_Nut_Aroma	0.1754	1.0000	0.0023	0.1876	0.0074	0.0502
Paint_Flavor	0.3239	0.0023	1.0000	0.5970	0.4791	0.1056
Green_Flavor	0.2860	0.1876	0.5970	1.0000	0.3517	0.3436
Pine_Flavor	0.3782	0.0074	0.4791	0.3517	1.0000	0.1910
Fish_Flavor	0.4784	0.0502	0.1056	0.3436	0.1910	1.0000
Sulfur_Flavor	0.0812	-.0943	0.6443	0.2680	0.3621	0.0352
Solvent_Flavor	0.2193	0.0059	0.6797	0.3623	0.3501	0.0058
Cardboard_Flavor	0.2469	0.0250	0.2039	0.0833	0.1170	0.1040
Fruity_Floral_Flavor	-.1156	-.1500	-.3053	-.3522	-.0624	-.0135
Musty_Flavor	0.6584	0.1569	0.2055	0.3406	0.2450	0.4356
Stale_Nut_Flavor	0.2632	0.2702	0.4499	0.2403	0.2056	0.2472
Overall_Acceptance	-.3306	-.0170	-.7024	-.4119	-.4825	0.0056
Peroxide_Value	0.2711	0.0363	0.6951	0.4439	0.5365	0.0812

Correlation Matrix

	Sulfur_ Flavor	Solvent_ Flavor	Cardboard_ Flavor	Fruity_ Floral_ Flavor	Musty_ Flavor
Hexanal__grassy_	0.5766	0.5598	0.0871	-.1777	0.1263
__heptanal__fat_citrus_rancid_	0.5755	0.5531	0.0823	-.1497	0.1795
octanal__fruity_	0.0279	0.3583	0.2359	-.1254	0.0464
__octanal__fat_soap_lemon_green_	0.5216	0.5282	0.1319	-.1328	0.2280
octanone__soap_gasoline_	-.1174	-.0503	-.0838	-.1823	-.1066
heptanoic_acid__oily_rancid_	-.3126	-.1578	0.3758	-.1452	0.2759

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The PRINCOMP Procedure

Correlation Matrix

	Sulfur_ Flavor	Solvent_ Flavor	Cardboard_ Flavor	Fruity_ Floral_ Flavor	Musty_ Flavor
nonanal__fruity_	0.1023	0.3958	0.3269	-.1678	0.0914
nonanol__fat_green_	0.3234	0.4213	0.1714	-.1040	0.2943
__decanone__plastic_	0.1905	0.3558	0.2640	-.1152	0.1615
trans_trans_2_4_nonadienal__gera	-.1116	0.1097	-.0170	-.2147	-.0812
nonanoic_acid__green_fat_	0.2246	0.4998	0.3510	-.2119	0.1654
undecanal__coconut_	0.1988	0.4826	0.4086	-.1657	0.2804
__decenal__acrid_	-.1709	0.2077	0.1132	-.1173	0.3619
Paint_Aroma	0.5158	0.5895	0.0800	-.2781	0.2434
Green_Aroma	0.1990	0.4046	0.2372	-.1454	0.3904
Pine_Aroma	0.2624	0.3270	0.1603	-.1723	0.3321
Fish_Aroma	0.0665	0.0800	0.0875	-.0196	0.2130
Sulfur_Aroma	0.5782	0.2825	0.0725	-.0997	-.0496
Solvent_Aroma	0.4073	0.6612	0.2873	-.1793	0.4486
Cardboard_Aroma	0.1369	0.4349	0.3961	-.2236	0.5400
Fruity_Floral_Aroma	-.0656	-.1275	0.0333	0.6344	0.1269
Musty_Aroma	0.0812	0.2193	0.2469	-.1156	0.6584
Stale_Nut_Aroma	-.0943	0.0059	0.0250	-.1500	0.1569
Paint_Flavor	0.6443	0.6797	0.2039	-.3053	0.2055
Green_Flavor	0.2680	0.3623	0.0833	-.3522	0.3406
Pine_Flavor	0.3621	0.3501	0.1170	-.0624	0.2450
Fish_Flavor	0.0352	0.0058	0.1040	-.0135	0.4356
Sulfur_Flavor	1.0000	0.3661	0.1511	-.1171	0.0503
Solvent_Flavor	0.3661	1.0000	0.3894	-.1490	0.3448
Cardboard_Flavor	0.1511	0.3894	1.0000	-.1270	0.4170
Fruity_Floral_Flavor	-.1171	-.1490	-.1270	1.0000	-.0822
Musty_Flavor	0.0503	0.3448	0.4170	-.0822	1.0000
Stale_Nut_Flavor	0.4855	0.2307	0.2019	-.1980	0.2604
Overall_Acceptance	-.6458	-.4823	-.2241	0.2562	-.2496
Peroxide_Value	0.3668	0.5031	0.0287	-.1559	0.0966

Correlation Matrix

	Stale_Nut_ Flavor	Overall_ Acceptance	Peroxide_ Value
Hexanal__grassy_	0.5555	-.6855	0.7660
__heptanal__fat_citrus_rancid_	0.5065	-.6760	0.8273
octanal__fruity_	0.1962	-.1516	0.0729
__octanal__fat_soap_lemon_green_	0.5151	-.6267	0.7468
octanone__soap_gasoline_	0.1247	0.0306	-.0106
heptanoic_acid__oily_rancid_	-.0938	0.1285	-.3080
nonanal__fruity_	0.2231	-.1518	0.0833
nonanol__fat_green_	0.4108	-.4232	0.6230

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The PRINCOMP Procedure

Correlation Matrix

	Stale_Nut_ Flavor	Overall_ Acceptance	Peroxide_ Value
__decanone__plastic_	0.3115	-.3027	0.1608
trans_trans_2_4_nonadienal__gera	0.1026	-.1020	0.0965
nonanoic_acid__green_fat_	0.3942	-.3903	0.3967
undecanal__coconut_	0.3816	-.3838	0.3441
__decenal__acrid_	-.0453	0.0184	-.1025
Paint_Aroma	0.2766	-.6876	0.7927
Green_Aroma	0.3111	-.2574	0.3819
Pine_Aroma	0.2499	-.4901	0.4923
Fish_Aroma	0.2443	-.0650	0.1017
Sulfur_Aroma	0.4791	-.4980	0.1771
Solvent_Aroma	0.1779	-.5235	0.5102
Cardboard_Aroma	0.2803	-.3290	0.4083
Fruity_Floral_Aroma	-.0752	0.2269	-.0531
Musty_Aroma	0.2632	-.3306	0.2711
Stale_Nut_Aroma	0.2702	-.0170	0.0363
Paint_Flavor	0.4499	-.7024	0.6951
Green_Flavor	0.2403	-.4119	0.4439
Pine_Flavor	0.2056	-.4825	0.5365
Fish_Flavor	0.2472	0.0056	0.0812
Sulfur_Flavor	0.4855	-.6458	0.3668
Solvent_Flavor	0.2307	-.4823	0.5031
Cardboard_Flavor	0.2019	-.2241	0.0287
Fruity_Floral_Flavor	-.1980	0.2562	-.1559
Musty_Flavor	0.2604	-.2496	0.0966
Stale_Nut_Flavor	1.0000	-.4688	0.2149
Overall_Acceptance	-.4688	1.0000	-.5192
Peroxide_Value	0.2149	-.5192	1.0000

Eigenvalues of the Correlation Matrix

	Eigenvalue	Difference	Proportion	Cumulative
1	11.4747975	7.5044670	0.3279	0.3279
2	3.9703305	0.9873942	0.1134	0.4413
3	2.9829362		0.0852	0.5265

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Eigenvectors

Hexanal__grassy_	Hexanal (grassy)
__heptanal__fat_citrus_rancid_	2-heptanal (fat/citrus/rancid)
octanal__fruity_	octanal (fruity)
__octanal__fat_soap_lemon_green_	2-octanal (fat/soap/lemon/green)
octanone__soap_gasoline_	octanone (soap/gasoline)
heptanoic_acid__oily_rancid_	heptanoic acid (oily/rancid)
nonanal__fruity_	nonanal (fruity)
nonanol__fat_green_	nonanol (fat/green)
__decanone__plastic_	2-decanone (plastic)
trans_trans_2_4_nonadienal__gera	trans,trans-2,4-nonadienal (geranium/pungent)
nonanoic_acid__green_fat_	nonanoic acid (green/fat)
undecanal__coconut_	undecanal (coconut)
__decenal__acrid_	2-decenal (acrid)
Paint_Aroma	Paint Aroma
Green_Aroma	Green Aroma
Pine_Aroma	Pine Aroma
Fish_Aroma	Fish Aroma
Sulfur_Aroma	Sulfur Aroma
Solvent_Aroma	Solvent Aroma
Cardboard_Aroma	Cardboard Aroma
Fruity_Floral_Aroma	Fruity/Floral Aroma
Musty_Aroma	Musty Aroma
Stale_Nut_Aroma	Stale Nut Aroma
Paint_Flavor	Paint Flavor
Green_Flavor	Green Flavor
Pine_Flavor	Pine Flavor
Fish_Flavor	Fish Flavor
Sulfur_Flavor	Sulfur Flavor
Solvent_Flavor	Solvent Flavor
Cardboard_Flavor	Cardboard Flavor
Fruity_Floral_Flavor	Fruity/Floral Flavor
Musty_Flavor	Musty Flavor
Stale_Nut_Flavor	Stale Nut Flavor
Overall_Acceptance	Overall Acceptance
Peroxide_Value	Peroxide Value

Eigenvectors

	Prin1	Prin2	Prin3
Hexanal__grassy_	0.261144	-.102331	-.134375
__heptanal__fat_citrus_rancid_	0.258669	-.166432	-.048659
octanal__fruity_	0.124052	0.348714	-.230424
__octanal__fat_soap_lemon_green_	0.258383	-.099572	-.027394
octanone__soap_gasoline_	0.028746	0.216701	-.134376

---------- oil=HOCAN ----------

The PRINCOMP Procedure

Eigenvectors

	Prin1	Prin2	Prin3
heptanoic_acid__oily_rancid_	-.061190	0.264942	0.169339
nonanal__fruity_	0.129505	0.326424	-.201942
nonanol__fat_green_	0.233439	0.006032	0.054938
__decanone__plastic_	0.160911	0.255134	-.126365
trans_trans_2_4_nonadienal__gera	0.076037	0.248200	-.191205
nonanoic_acid__green_fat_	0.215201	0.260921	-.128916
undecanal__coconut_	0.216623	0.281328	-.062075
__decenal__acrid_	0.018054	0.208466	0.069571
Paint_Aroma	0.222251	-.187016	-.050708
Green_Aroma	0.173428	0.062387	0.183440
Pine_Aroma	0.182265	-.081301	0.142129
Fish_Aroma	0.088146	0.046629	0.276403
Sulfur_Aroma	0.100977	-.182306	-.214003
Solvent_Aroma	0.194386	-.034516	0.015953
Cardboard_Aroma	0.193008	0.096962	0.211898
Fruity_Floral_Aroma	-.026487	0.021495	0.172838
Musty_Aroma	0.145478	0.035091	0.349639
Stale_Nut_Aroma	0.036941	0.155050	0.085247
Paint_Flavor	0.248000	-.135374	-.071049
Green_Flavor	0.170434	-.010292	0.132172
Pine_Flavor	0.193823	-.128823	0.099881
Fish_Flavor	0.078588	0.047778	0.377673
Sulfur_Flavor	0.163295	-.215082	-.133847
Solvent_Flavor	0.205477	0.009731	-.058373
Cardboard_Flavor	0.094608	0.165727	0.120163
Fruity_Floral_Flavor	-.084457	-.059002	0.067676
Musty_Flavor	0.118988	0.094850	0.387164
Stale_Nut_Flavor	0.163666	-.003309	-.021497
Overall_Acceptance	-.214734	0.134981	0.085855
Peroxide_Value	0.215459	-.173600	-.031568

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The PRINCOMP Procedure

Observations	65
Variables	35

Simple Statistics

	Hexanal__grassy_	__heptanal__fat_citrus_rancid_	octanal__fruity_	__octanal__fat_soap_lemon_green_	octanone__soap_gasoline_
Mean	1.176083192	0.4826309223	2.893432747	0.976510244	0.4726171367
StD	1.298477882	0.6250508480	6.066767660	1.215528934	0.6548104926

Simple Statistics

	heptanoic_acid__oily_rancid_	nonanal__fruity_	nonanol__fat_green_	__decanone__plastic_	trans_trans_2_4_nonadienal__gera
Mean	0.7425951639	12.05430441	0.709744186	0.5375400931	1.337203261
StD	0.3892815786	30.20490528	2.605815261	0.4811765638	1.513344286

Simple Statistics

	nonanoic_acid__green_fat_	undecanal__coconut_	__decenal__acrid_	Paint_Aroma	Green_Aroma	Pine_Aroma
Mean	19.08180712	16.03273682	2.339657507	2.713834033	1.106522656	0.3740743280
StD	27.46992011	18.69356853	3.391679587	2.346809179	0.937100474	0.4476873718

Simple Statistics

	Fish_Aroma	Sulfur_Aroma	Solvent_Aroma	Cardboard_Aroma	Fruity_Floral_Aroma	Musty_Aroma
Mean	0.4728610703	0.1974369753	2.800579266	1.293901317	0.6927872713	1.206145575
StD	0.7025198243	0.3092789219	2.432007234	1.206147083	0.9818016292	1.287836384

Simple Statistics

	Stale_Nut_Aroma	Paint_Flavor	Green_Flavor	Pine_Flavor	Fish_Flavor	Sulfur_Flavor
Mean	0.2828874169	4.449898472	1.562803911	0.734804486	0.6631870610	0.2721653476
StD	0.4020029695	6.090541704	1.647578967	2.087996951	0.7893788978	0.3381830026

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Simple Statistics

	Solvent_ Flavor	Cardboard_ Flavor	Fruity_ Floral_ Flavor	Musty_Flavor	Stale_Nut_ Flavor	Overall_ Acceptance
Mean	3.759071182	3.592310709	0.5643777823	2.239481797	1.350294058	5.445240010
StD	2.773227161	3.284480893	0.6731778900	2.074217513	1.255449448	0.334469324

Simple Statistics

	Peroxide_ Value
Mean	3.882354502
StD	4.670634584

Correlation Matrix

Hexanal__grassy_	Hexanal (grassy)
__heptanal__fat_citrus_rancid_	2-heptanal (fat/citrus/rancid)
octanal__fruity_	octanal (fruity)
__octanal__fat_soap_lemon_green_	2-octanal (fat/soap/lemon/green)
octanone__soap_gasoline_	octanone (soap/gasoline)
heptanoic_acid__oily_rancid_	heptanoic acid (oily/rancid)
nonanal__fruity_	nonanal (fruity)
nonanol__fat_green_	nonanol (fat/green)
__decanone__plastic_	2-decanone (plastic)
trans_trans_2_4_nonadienal__gera	trans,trans-2,4-nonadienal (geranium/pungent)
nonanoic_acid__green_fat_	nonanoic acid (green/fat)
undecanal__coconut_	undecanal (coconut)
__decenal__acrid_	2-decenal (acrid)
Paint_Aroma	Paint Aroma
Green_Aroma	Green Aroma
Pine_Aroma	Pine Aroma
Fish_Aroma	Fish Aroma
Sulfur_Aroma	Sulfur Aroma
Solvent_Aroma	Solvent Aroma
Cardboard_Aroma	Cardboard Aroma
Fruity_Floral_Aroma	Fruity/Floral Aroma
Musty_Aroma	Musty Aroma
Stale_Nut_Aroma	Stale Nut Aroma
Paint_Flavor	Paint Flavor
Green_Flavor	Green Flavor
Pine_Flavor	Pine Flavor
Fish_Flavor	Fish Flavor
Sulfur_Flavor	Sulfur Flavor

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Correlation Matrix

Solvent_Flavor	Solvent Flavor
Cardboard_Flavor	Cardboard Flavor
Fruity_Floral_Flavor	Fruity/Floral Flavor
Musty_Flavor	Musty Flavor
Stale_Nut_Flavor	Stale Nut Flavor
Overall_Acceptance	Overall Acceptance
Peroxide_Value	Peroxide Value

Correlation Matrix

	Hexanal__grassy_	__heptanal__fat_citrus_rancid_	octanal__fruity_	__octanal__fat_soap_lemon_green_
Hexanal__grassy_	1.0000	0.9435	0.9261	0.9653
__heptanal__fat_citrus_rancid_	0.9435	1.0000	0.8098	0.8975
octanal__fruity_	0.9261	0.8098	1.0000	0.9719
__octanal__fat_soap_lemon_green_	0.9653	0.8975	0.9719	1.0000
octanone__soap_gasoline_	0.4837	0.5336	0.3181	0.3999
heptanoic_acid__oily_rancid_	-.0410	0.1155	-.1048	-.0344
nonanal__fruity_	0.9438	0.8187	0.9892	0.9728
nonanol__fat_green_	0.9168	0.7757	0.9712	0.9478
__decanone__plastic_	0.9158	0.8311	0.9653	0.9689
trans_trans_2_4_nonadienal__gera	0.8532	0.7788	0.8401	0.8566
nonanoic_acid__green_fat_	0.9430	0.8389	0.9877	0.9880
undecanal__coconut_	0.9344	0.8215	0.9871	0.9831
__decenal__acrid_	0.7562	0.6502	0.8117	0.7954
Paint_Aroma	-.1006	-.0999	-.0593	-.0587
Green_Aroma	-.0187	-.0243	-.0309	-.0187
Pine_Aroma	-.0980	-.1330	-.0917	-.0954
Fish_Aroma	-.1116	-.1184	-.0960	-.0868
Sulfur_Aroma	-.0260	0.0086	-.0293	-.0247
Solvent_Aroma	-.1482	-.1776	-.1130	-.1162
Cardboard_Aroma	-.1223	-.0705	-.1061	-.0892
Fruity_Floral_Aroma	-.1258	-.1903	-.0726	-.1208
Musty_Aroma	-.1476	-.1497	-.0732	-.0875
Stale_Nut_Aroma	0.1885	0.1605	0.1816	0.2053
Paint_Flavor	-.0919	-.1140	-.0570	-.0619
Green_Flavor	-.0241	-.0363	-.0307	-.0138
Pine_Flavor	-.0699	-.1106	-.0501	-.0620
Fish_Flavor	-.1450	-.1544	-.1233	-.1333
Sulfur_Flavor	0.1168	0.1655	0.0415	0.1064
Solvent_Flavor	-.1531	-.1317	-.0473	-.0738
Cardboard_Flavor	-.1482	-.1807	-.0556	-.0947
Fruity_Floral_Flavor	-.0046	-.0113	0.0801	0.0332
Musty_Flavor	-.1734	-.1939	-.0719	-.1108
Stale_Nut_Flavor	0.1798	0.2089	0.1695	0.2134

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Correlation Matrix

	Hexanal__grassy_	__heptanal__fat_citrus_rancid_	octanal__fruity_	__octanal__fat_soap_lemon_green_
Overall_Acceptance	0.0885	0.1725	-.0718	-.0333
Peroxide_Value	0.4147	0.5695	0.1649	0.3189

Correlation Matrix

	octanone__soap_gasoline_	heptanoic_acid__oily_rancid_	nonanal__fruity_	nonanol__fat_green_
Hexanal__grassy_	0.4837	-.0410	0.9438	0.9168
__heptanal__fat_citrus_rancid_	0.5336	0.1155	0.8187	0.7757
octanal__fruity_	0.3181	-.1048	0.9892	0.9712
__octanal__fat_soap_lemon_green_	0.3999	-.0344	0.9728	0.9478
octanone__soap_gasoline_	1.0000	0.0920	0.3392	0.3274
heptanoic_acid__oily_rancid_	0.0920	1.0000	-.1332	-.2321
nonanal__fruity_	0.3392	-.1332	1.0000	0.9799
nonanol__fat_green_	0.3274	-.2321	0.9799	1.0000
__decanone__plastic_	0.4119	0.0137	0.9572	0.9419
trans_trans_2_4_nonadienal__gera	0.4850	-.0794	0.8478	0.8480
nonanoic_acid__green_fat_	0.3289	-.0764	0.9876	0.9699
undecanal__coconut_	0.3310	-.0745	0.9879	0.9726
__decenal__acrid_	0.3370	-.0621	0.8088	0.8232
Paint_Aroma	-.0448	0.0262	-.0825	-.0915
Green_Aroma	-.0864	0.0871	-.0359	-.0397
Pine_Aroma	-.1473	-.0272	-.0870	-.0870
Fish_Aroma	-.0697	-.0734	-.0826	-.1003
Sulfur_Aroma	0.1179	-.0194	-.0491	-.0431
Solvent_Aroma	-.0317	0.0065	-.1046	-.1046
Cardboard_Aroma	-.0072	0.4204	-.1131	-.1203
Fruity_Floral_Aroma	-.2088	-.2177	-.0762	-.0699
Musty_Aroma	-.1217	0.2422	-.0813	-.1110
Stale_Nut_Aroma	-.1445	-.1420	0.1908	0.1684
Paint_Flavor	-.0591	-.0342	-.0633	-.0825
Green_Flavor	-.1258	0.0049	-.0363	-.0405
Pine_Flavor	-.1009	-.1927	-.0510	-.0395
Fish_Flavor	-.1083	0.0333	-.1154	-.1131
Sulfur_Flavor	0.0925	-.0684	0.0383	0.0517
Solvent_Flavor	-.0348	0.1664	-.0845	-.1100
Cardboard_Flavor	-.1355	0.2808	-.0637	-.0935
Fruity_Floral_Flavor	-.0392	-.1357	0.0489	0.0281
Musty_Flavor	-.1390	0.3514	-.0833	-.1166
Stale_Nut_Flavor	-.1385	0.0614	0.1780	0.1479
Overall_Acceptance	-.0165	-.3479	-.0373	-.0170

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Correlation Matrix

	octanone__ soap_gasoline_	heptanoic_ acid__oily_ rancid_	nonanal__ fruity_	nonanol__ fat_green_
Peroxide_Value	0.4474	0.3957	0.1741	0.1016

Correlation Matrix

	__decanone__ plastic_	trans_trans_2_4_ nonadienal__gera	nonanoic_ acid__green_ fat_
Hexanal__grassy_	0.9158	0.8532	0.9430
__heptanal__fat_citrus_rancid_	0.8311	0.7788	0.8389
octanal__fruity_	0.9653	0.8401	0.9877
__octanal__fat_soap_lemon_green_	0.9689	0.8566	0.9880
octanone__soap_gasoline_	0.4119	0.4850	0.3289
heptanoic_acid__oily_rancid_	0.0137	-.0794	-.0764
nonanal__fruity_	0.9572	0.8478	0.9876
nonanol__fat_green_	0.9419	0.8480	0.9699
__decanone__plastic_	1.0000	0.8883	0.9696
trans_trans_2_4_nonadienal__gera	0.8883	1.0000	0.8486
nonanoic_acid__green_fat_	0.9696	0.8486	1.0000
undecanal__coconut_	0.9751	0.8527	0.9974
__decenal__acrid_	0.8089	0.6769	0.8132
Paint_Aroma	-.0431	-.1445	-.0696
Green_Aroma	-.0246	-.1090	-.0312
Pine_Aroma	-.1005	-.0837	-.0878
Fish_Aroma	-.0996	-.1528	-.0969
Sulfur_Aroma	-.0203	-.0479	-.0380
Solvent_Aroma	-.0864	-.1312	-.1177
Cardboard_Aroma	-.0415	-.1313	-.0991
Fruity_Floral_Aroma	-.1462	-.1956	-.0996
Musty_Aroma	-.0534	-.2537	-.0641
Stale_Nut_Aroma	0.1456	0.0856	0.2068
Paint_Flavor	-.0576	-.0791	-.0584
Green_Flavor	-.0380	-.0835	-.0175
Pine_Flavor	-.0703	-.0762	-.0592
Fish_Flavor	-.1288	-.2243	-.1247
Sulfur_Flavor	0.0507	0.0299	0.0777
Solvent_Flavor	-.0168	-.1169	-.0756
Cardboard_Flavor	-.0435	-.1986	-.0633
Fruity_Floral_Flavor	0.0263	-.0375	0.0285
Musty_Flavor	-.0455	-.2385	-.0789
Stale_Nut_Flavor	0.1340	0.0874	0.2059
Overall_Acceptance	-.1252	0.0221	-.0663
Peroxide_Value	0.1855	0.1062	0.2285

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Correlation Matrix

	undecanal__ coconut_	__decenal__ acrid_	Paint_ Aroma	Green_ Aroma	Pine_ Aroma
Hexanal__grassy_	0.9344	0.7562	-.1006	-.0187	-.0980
__heptanal__fat_citrus_rancid_	0.8215	0.6502	-.0999	-.0243	-.1330
octanal__fruity_	0.9871	0.8117	-.0593	-.0309	-.0917
__octanal__fat_soap_lemon_green_	0.9831	0.7954	-.0587	-.0187	-.0954
octanone__soap_gasoline_	0.3310	0.3370	-.0448	-.0864	-.1473
heptanoic_acid__oily_rancid_	-.0745	-.0621	0.0262	0.0871	-.0272
nonanal__fruity_	0.9879	0.8088	-.0825	-.0359	-.0870
nonanol__fat_green_	0.9726	0.8232	-.0915	-.0397	-.0870
__decanone__plastic_	0.9751	0.8089	-.0431	-.0246	-.1005
trans_trans_2_4_nonadienal__gera	0.8527	0.6769	-.1445	-.1090	-.0837
nonanoic_acid__green_fat_	0.9974	0.8132	-.0696	-.0312	-.0878
undecanal__coconut_	1.0000	0.8207	-.0639	-.0215	-.0863
__decenal__acrid_	0.8207	1.0000	-.0977	0.0733	-.1458
Paint_Aroma	-.0639	-.0977	1.0000	0.6256	0.4333
Green_Aroma	-.0215	0.0733	0.6256	1.0000	0.3469
Pine_Aroma	-.0863	-.1458	0.4333	0.3469	1.0000
Fish_Aroma	-.0911	-.0080	0.1759	0.2003	0.2991
Sulfur_Aroma	-.0393	0.0238	0.0891	-.0153	-.0458
Solvent_Aroma	-.1012	-.0594	0.7535	0.4993	0.3054
Cardboard_Aroma	-.0873	0.0135	0.0196	0.2175	0.1474
Fruity_Floral_Aroma	-.0927	-.1070	0.4828	0.4621	0.3457
Musty_Aroma	-.0549	-.0049	0.4845	0.3635	0.1798
Stale_Nut_Aroma	0.2081	0.0733	0.1572	0.0517	0.3740
Paint_Flavor	-.0534	-.1169	0.8012	0.6125	0.4022
Green_Flavor	-.0115	-.0334	0.7534	0.7466	0.3332
Pine_Flavor	-.0540	-.0959	0.7313	0.5649	0.4168
Fish_Flavor	-.1139	0.0308	0.1626	0.1966	0.2266
Sulfur_Flavor	0.0636	0.0111	0.5087	0.2566	0.2372
Solvent_Flavor	-.0628	-.1056	0.5419	0.3470	0.1560
Cardboard_Flavor	-.0451	-.0389	0.3120	0.1674	0.1721
Fruity_Floral_Flavor	0.0327	0.0300	-.0878	-.1247	-.0951
Musty_Flavor	-.0582	-.0071	0.3794	0.4120	0.1879
Stale_Nut_Flavor	0.1963	0.1110	0.2316	0.3037	0.2131
Overall_Acceptance	-.0873	-.1475	-.0630	-.0271	0.0271
Peroxide_Value	0.1944	0.1457	0.0050	0.0391	-.0425

Correlation Matrix

	Fish_ Aroma	Sulfur_ Aroma	Solvent_ Aroma	Cardboard_ Aroma	Fruity_ Floral_ Aroma
Hexanal__grassy_	-.1116	-.0260	-.1482	-.1223	-.1258
__heptanal__fat_citrus_rancid_	-.1184	0.0086	-.1776	-.0705	-.1903

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Correlation Matrix

	Fish_ Aroma	Sulfur_ Aroma	Solvent_ Aroma	Cardboard_ Aroma	Fruity_ Floral_ Aroma
octanal__fruity_	-.0960	-.0293	-.1130	-.1061	-.0726
__octanal__fat_soap_lemon_green_	-.0868	-.0247	-.1162	-.0892	-.1208
octanone__soap_gasoline_	-.0697	0.1179	-.0317	-.0072	-.2088
heptanoic_acid__oily_rancid_	-.0734	-.0194	0.0065	0.4204	-.2177
nonanal__fruity_	-.0826	-.0491	-.1046	-.1131	-.0762
nonanol__fat_green_	-.1003	-.0431	-.1046	-.1203	-.0699
__decanone__plastic_	-.0996	-.0203	-.0864	-.0415	-.1462
trans_trans_2_4_nonadienal__gera	-.1528	-.0479	-.1312	-.1313	-.1956
nonanoic_acid__green_fat_	-.0969	-.0380	-.1177	-.0991	-.0996
undecanal__coconut_	-.0911	-.0393	-.1012	-.0873	-.0927
__decenal__acrid_	-.0080	0.0238	-.0594	0.0135	-.1070
Paint_Aroma	0.1759	0.0891	0.7535	0.0196	0.4828
Green_Aroma	0.2003	-.0153	0.4993	0.2175	0.4621
Pine_Aroma	0.2991	-.0458	0.3054	0.1474	0.3457
Fish_Aroma	1.0000	-.0318	0.0461	0.0640	-.0727
Sulfur_Aroma	-.0318	1.0000	0.0989	0.0770	0.1841
Solvent_Aroma	0.0461	0.0989	1.0000	0.0507	0.5768
Cardboard_Aroma	0.0640	0.0770	0.0507	1.0000	0.0490
Fruity_Floral_Aroma	-.0727	0.1841	0.5768	0.0490	1.0000
Musty_Aroma	0.1669	0.4107	0.3390	0.3399	0.2609
Stale_Nut_Aroma	0.2806	-.0097	-.0498	-.1733	0.1927
Paint_Flavor	0.0844	0.0457	0.7948	-.0178	0.5930
Green_Flavor	0.1113	-.0714	0.6263	-.0164	0.4718
Pine_Flavor	-.0637	0.0827	0.7270	-.0821	0.6854
Fish_Flavor	0.6141	0.0172	0.0558	0.2759	0.0658
Sulfur_Flavor	-.1734	0.3576	0.5161	0.0056	0.3483
Solvent_Flavor	0.0827	0.0903	0.6606	0.2272	0.3928
Cardboard_Flavor	0.0275	0.0237	0.3972	0.4974	0.2202
Fruity_Floral_Flavor	-.0421	-.0075	0.0756	-.0638	0.4212
Musty_Flavor	0.2554	0.0689	0.3388	0.3310	0.1949
Stale_Nut_Flavor	0.3620	-.1359	0.0527	0.0231	0.1001
Overall_Acceptance	-.0579	-.1231	-.1237	-.3452	0.0963
Peroxide_Value	-.0689	0.0704	-.1327	0.0263	-.1566

Correlation Matrix

	Musty_ Aroma	Stale_ Nut_Aroma	Paint_ Flavor	Green_ Flavor	Pine_ Flavor	Fish_ Flavor
Hexanal__grassy_	-.1476	0.1885	-.0919	-.0241	-.0699	-.1450
__heptanal__fat_citrus_rancid_	-.1497	0.1605	-.1140	-.0363	-.1106	-.1544
octanal__fruity_	-.0732	0.1816	-.0570	-.0307	-.0501	-.1233
__octanal__fat_soap_lemon_green_	-.0875	0.2053	-.0619	-.0138	-.0620	-.1333

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Correlation Matrix

	Musty_ Aroma	Stale_ Nut_Aroma	Paint_ Flavor	Green_ Flavor	Pine_ Flavor	Fish_ Flavor
octanone__soap_gasoline_	-.1217	-.1445	-.0591	-.1258	-.1009	-.1083
heptanoic_acid__oily_rancid_	0.2422	-.1420	-.0342	0.0049	-.1927	0.0333
nonanal__fruity_	-.0813	0.1908	-.0633	-.0363	-.0510	-.1154
nonanol__fat_green_	-.1110	0.1684	-.0825	-.0405	-.0395	-.1131
__decanone__plastic_	-.0534	0.1456	-.0576	-.0380	-.0703	-.1288
trans_trans_2_4_nonadienal__gera	-.2537	0.0856	-.0791	-.0835	-.0762	-.2243
nonanoic_acid__green_fat_	-.0641	0.2068	-.0584	-.0175	-.0592	-.1247
undecanal__coconut_	-.0549	0.2081	-.0534	-.0115	-.0540	-.1139
__decenal__acrid_	-.0049	0.0733	-.1169	-.0334	-.0959	0.0308
Paint_Aroma	0.4845	0.1572	0.8012	0.7534	0.7313	0.1626
Green_Aroma	0.3635	0.0517	0.6125	0.7466	0.5649	0.1966
Pine_Aroma	0.1798	0.3740	0.4022	0.3332	0.4168	0.2266
Fish_Aroma	0.1669	0.2806	0.0844	0.1113	-.0637	0.6141
Sulfur_Aroma	0.4107	-.0097	0.0457	-.0714	0.0827	0.0172
Solvent_Aroma	0.3390	-.0498	0.7948	0.6263	0.7270	0.0558
Cardboard_Aroma	0.3399	-.1733	-.0178	-.0164	-.0821	0.2759
Fruity_Floral_Aroma	0.2609	0.1927	0.5930	0.4718	0.6854	0.0658
Musty_Aroma	1.0000	-.0031	0.3823	0.2950	0.3283	0.3497
Stale_Nut_Aroma	-.0031	1.0000	0.0958	0.0801	0.1499	0.3483
Paint_Flavor	0.3823	0.0958	1.0000	0.7489	0.8705	0.0606
Green_Flavor	0.2950	0.0801	0.7489	1.0000	0.7299	0.0898
Pine_Flavor	0.3283	0.1499	0.8705	0.7299	1.0000	-.0190
Fish_Flavor	0.3497	0.3483	0.0606	0.0898	-.0190	1.0000
Sulfur_Flavor	0.2962	0.1876	0.5838	0.3706	0.6256	0.0143
Solvent_Flavor	0.3564	-.0865	0.6993	0.3844	0.4655	0.1449
Cardboard_Flavor	0.3929	-.1848	0.3889	0.2317	0.1979	0.1707
Fruity_Floral_Flavor	-.1110	0.1092	-.0661	-.0898	0.0186	-.0278
Musty_Flavor	0.7297	-.1312	0.3079	0.3293	0.1927	0.3737
Stale_Nut_Flavor	0.1798	0.3268	0.2860	0.3064	0.1100	0.2378
Overall_Acceptance	-.3081	0.1853	0.0639	0.0685	0.1534	-.0968
Peroxide_Value	0.0164	0.0968	-.0606	-.0018	-.0794	-.0988

Correlation Matrix

	Sulfur_ Flavor	Solvent_ Flavor	Cardboard_ Flavor	Fruity_ Floral_ Flavor	Musty_ Flavor
Hexanal__grassy_	0.1168	-.1531	-.1482	-.0046	-.1734
__heptanal__fat_citrus_rancid_	0.1655	-.1317	-.1807	-.0113	-.1939
octanal__fruity_	0.0415	-.0473	-.0556	0.0801	-.0719
__octanal__fat_soap_lemon_green_	0.1064	-.0738	-.0947	0.0332	-.1108
octanone__soap_gasoline_	0.0925	-.0348	-.1355	-.0392	-.1390
heptanoic_acid__oily_rancid_	-.0684	0.1664	0.2808	-.1357	0.3514

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Correlation Matrix

	Sulfur_ Flavor	Solvent_ Flavor	Cardboard_ Flavor	Fruity_ Floral_ Flavor	Musty_ Flavor
nonanal__fruity_	0.0383	-.0845	-.0637	0.0489	-.0833
nonanol__fat_green_	0.0517	-.1100	-.0935	0.0281	-.1166
__decanone__plastic_	0.0507	-.0168	-.0435	0.0263	-.0455
trans_trans_2_4_nonadienal__gera	0.0299	-.1169	-.1986	-.0375	-.2385
nonanoic_acid__green_fat_	0.0777	-.0756	-.0633	0.0285	-.0789
undecanal__coconut_	0.0636	-.0628	-.0451	0.0327	-.0582
__decenal__acrid_	0.0111	-.1056	-.0389	0.0300	-.0071
Paint_Aroma	0.5087	0.5419	0.3120	-.0878	0.3794
Green_Aroma	0.2566	0.3470	0.1674	-.1247	0.4120
Pine_Aroma	0.2372	0.1560	0.1721	-.0951	0.1879
Fish_Aroma	-.1734	0.0827	0.0275	-.0421	0.2554
Sulfur_Aroma	0.3576	0.0903	0.0237	-.0075	0.0689
Solvent_Aroma	0.5161	0.6606	0.3972	0.0756	0.3388
Cardboard_Aroma	0.0056	0.2272	0.4974	-.0638	0.3310
Fruity_Floral_Aroma	0.3483	0.3928	0.2202	0.4212	0.1949
Musty_Aroma	0.2962	0.3564	0.3929	-.1110	0.7297
Stale_Nut_Aroma	0.1876	-.0865	-.1848	0.1092	-.1312
Paint_Flavor	0.5838	0.6993	0.3889	-.0661	0.3079
Green_Flavor	0.3706	0.3844	0.2317	-.0898	0.3293
Pine_Flavor	0.6256	0.4655	0.1979	0.0186	0.1927
Fish_Flavor	0.0143	0.1449	0.1707	-.0278	0.3737
Sulfur_Flavor	1.0000	0.3317	0.1319	-.1115	0.0101
Solvent_Flavor	0.3317	1.0000	0.5774	0.0574	0.4048
Cardboard_Flavor	0.1319	0.5774	1.0000	-.0292	0.5276
Fruity_Floral_Flavor	-.1115	0.0574	-.0292	1.0000	0.0053
Musty_Flavor	0.0101	0.4048	0.5276	0.0053	1.0000
Stale_Nut_Flavor	0.1459	0.2032	0.1243	-.0652	0.1681
Overall_Acceptance	0.1263	-.1822	-.3756	-.0569	-.4063
Peroxide_Value	0.3347	-.1554	-.0670	-.0835	-.1030

Correlation Matrix

	Stale_Nut_ Flavor	Overall_ Acceptance	Peroxide_ Value
Hexanal__grassy_	0.1798	0.0885	0.4147
__heptanal__fat_citrus_rancid_	0.2089	0.1725	0.5695
octanal__fruity_	0.1695	-.0718	0.1649
__octanal__fat_soap_lemon_green_	0.2134	-.0333	0.3189
octanone__soap_gasoline_	-.1385	-.0165	0.4474
heptanoic_acid__oily_rancid_	0.0614	-.3479	0.3957
nonanal__fruity_	0.1780	-.0373	0.1741
nonanol__fat_green_	0.1479	-.0170	0.1016

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Correlation Matrix

	Stale_Nut_ Flavor	Overall_ Acceptance	Peroxide_ Value
__decanone__plastic_	0.1340	-.1252	0.1855
trans_trans_2_4_nonadienal__gera	0.0874	0.0221	0.1062
nonanoic_acid__green_fat_	0.2059	-.0663	0.2285
undecanal__coconut_	0.1963	-.0873	0.1944
__decenal__acrid_	0.1110	-.1475	0.1457
Paint_Aroma	0.2316	-.0630	0.0050
Green_Aroma	0.3037	-.0271	0.0391
Pine_Aroma	0.2131	0.0271	-.0425
Fish_Aroma	0.3620	-.0579	-.0689
Sulfur_Aroma	-.1359	-.1231	0.0704
Solvent_Aroma	0.0527	-.1237	-.1327
Cardboard_Aroma	0.0231	-.3452	0.0263
Fruity_Floral_Aroma	0.1001	0.0963	-.1566
Musty_Aroma	0.1798	-.3081	0.0164
Stale_Nut_Aroma	0.3268	0.1853	0.0968
Paint_Flavor	0.2860	0.0639	-.0606
Green_Flavor	0.3064	0.0685	-.0018
Pine_Flavor	0.1100	0.1534	-.0794
Fish_Flavor	0.2378	-.0968	-.0988
Sulfur_Flavor	0.1459	0.1263	0.3347
Solvent_Flavor	0.2032	-.1822	-.1554
Cardboard_Flavor	0.1243	-.3756	-.0670
Fruity_Floral_Flavor	-.0652	-.0569	-.0835
Musty_Flavor	0.1681	-.4063	-.1030
Stale_Nut_Flavor	1.0000	0.0664	0.1469
Overall_Acceptance	0.0664	1.0000	0.0368
Peroxide_Value	0.1469	0.0368	1.0000

Eigenvalues of the Correlation Matrix

	Eigenvalue	Difference	Proportion	Cumulative
1	10.5743940	3.9586487	0.3021	0.3021
2	6.6157453	3.5889334	0.1890	0.4911
3	3.0268118		0.0865	0.5776

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Eigenvectors

Hexanal__grassy_	Hexanal (grassy)
__heptanal__fat_citrus_rancid_	2-heptanal (fat/citrus/rancid)
octanal__fruity_	octanal (fruity)
__octanal__fat_soap_lemon_green_	2-octanal (fat/soap/lemon/green)
octanone__soap_gasoline_	octanone (soap/gasoline)
heptanoic_acid__oily_rancid_	heptanoic acid (oily/rancid)
nonanal__fruity_	nonanal (fruity)
nonanol__fat_green_	nonanol (fat/green)
__decanone__plastic_	2-decanone (plastic)
trans_trans_2_4_nonadienal__gera	trans,trans-2,4-nonadienal (geranium/pungent)
nonanoic_acid__green_fat_	nonanoic acid (green/fat)
undecanal__coconut_	undecanal (coconut)
__decenal__acrid_	2-decenal (acrid)
Paint_Aroma	Paint Aroma
Green_Aroma	Green Aroma
Pine_Aroma	Pine Aroma
Fish_Aroma	Fish Aroma
Sulfur_Aroma	Sulfur Aroma
Solvent_Aroma	Solvent Aroma
Cardboard_Aroma	Cardboard Aroma
Fruity_Floral_Aroma	Fruity/Floral Aroma
Musty_Aroma	Musty Aroma
Stale_Nut_Aroma	Stale Nut Aroma
Paint_Flavor	Paint Flavor
Green_Flavor	Green Flavor
Pine_Flavor	Pine Flavor
Fish_Flavor	Fish Flavor
Sulfur_Flavor	Sulfur Flavor
Solvent_Flavor	Solvent Flavor
Cardboard_Flavor	Cardboard Flavor
Fruity_Floral_Flavor	Fruity/Floral Flavor
Musty_Flavor	Musty Flavor
Stale_Nut_Flavor	Stale Nut Flavor
Overall_Acceptance	Overall Acceptance
Peroxide_Value	Peroxide Value

Eigenvectors

	Prin1	Prin2	Prin3
Hexanal__grassy_	0.296654	0.056981	-.019333
__heptanal__fat_citrus_rancid_	0.274174	0.040573	-.004380
octanal__fruity_	0.293036	0.077449	0.021448
__octanal__fat_soap_lemon_green_	0.298909	0.076502	0.019724
octanone__soap_gasoline_	0.140334	-.007188	0.038073

---------- oil=HOSUN ----------

The PRINCOMP Procedure

Eigenvectors

	Prin1	Prin2	Prin3
heptanoic_acid__oily_rancid_	-.023744	0.016981	0.362965
nonanal__fruity_	0.295008	0.073736	0.010795
nonanol__fat_green_	0.291099	0.066419	-.016757
__decanone__plastic_	0.292214	0.077892	0.066313
trans_trans_2_4_nonadienal__gera	0.274152	0.024830	-.041020
nonanoic_acid__green_fat_	0.296626	0.077965	0.025091
undecanal__coconut_	0.295117	0.081974	0.034297
__decenal__acrid_	0.248584	0.062930	0.096897
Paint_Aroma	-.070814	0.327131	-.063250
Green_Aroma	-.047469	0.276621	0.003457
Pine_Aroma	-.058255	0.180447	-.059597
Fish_Aroma	-.042743	0.061066	0.125636
Sulfur_Aroma	-.014621	0.051905	0.053083
Solvent_Aroma	-.081137	0.303393	-.069318
Cardboard_Aroma	-.045338	0.062476	0.378740
Fruity_Floral_Aroma	-.073240	0.240041	-.186570
Musty_Aroma	-.067726	0.216287	0.271265
Stale_Nut_Aroma	0.049113	0.076367	-.155956
Paint_Flavor	-.070220	0.340702	-.133952
Green_Flavor	-.051281	0.300723	-.116480
Pine_Flavor	-.062564	0.310474	-.245166
Fish_Flavor	-.057554	0.085426	0.202790
Sulfur_Flavor	-.000195	0.229811	-.159340
Solvent_Flavor	-.068511	0.255952	0.100942
Cardboard_Flavor	-.063569	0.177502	0.298707
Fruity_Floral_Flavor	0.007056	-.005198	-.073613
Musty_Flavor	-.071640	0.193160	0.352569
Stale_Nut_Flavor	0.038212	0.147322	0.035548
Overall_Acceptance	0.003748	-.040709	-.386418
Peroxide_Value	0.090980	0.013818	0.053944

SAS Output for Continuous Variables

The SAS System 11:43 Monday, July 12, 2010 2554
Overall Analysis Results for each variable

Obs	depvar	Effect	Num DF	Den DF	fvalue	ProbF
1	Hexanal__grassy_	oil	1	64	2.22	0.1413
2	Hexanal__grassy_	temptime	15	64	6.39	<.0001
3	Hexanal__grassy_	Package	1	64	7.23	0.0091
4	Hexanal__grassy_	oil*temptime	15	64	1.79	0.0558
5	Hexanal__grassy_	oil*Package	1	64	2.28	0.1357
6	Hexanal__grassy_	temptime*Package	15	64	2.00	0.0293
7	Hexanal__grassy_	oil*temptime*Package	15	64	1.48	0.1384
8	__heptanal__fat_	oil	1	64	12.33	0.0008
9	__heptanal__fat_	temptime	15	64	5.77	<.0001
10	__heptanal__fat_	Package	1	64	14.36	0.0003
11	__heptanal__fat_	oil*temptime	15	64	3.79	<.0001
12	__heptanal__fat_	oil*Package	1	64	11.90	0.0010
13	__heptanal__fat_	temptime*Package	15	64	4.30	<.0001
14	__heptanal__fat_	oil*temptime*Package	15	64	3.49	0.0002
15	octanal__fruity_	oil	1	64	0.98	0.3271
16	octanal__fruity_	temptime	15	64	2.47	0.0063
17	octanal__fruity_	Package	1	64	5.23	0.0256
18	octanal__fruity_	oil*temptime	15	64	0.80	0.6773
19	octanal__fruity_	oil*Package	1	64	1.20	0.2765
20	octanal__fruity_	temptime*Package	15	64	1.03	0.4355
21	octanal__fruity_	oil*temptime*Package	15	64	1.36	0.1963
22	__octanal__fat_s	oil	1	64	6.11	0.0161
23	__octanal__fat_s	temptime	15	64	3.10	0.0008
24	__octanal__fat_s	Package	1	64	8.51	0.0049
25	__octanal__fat_s	oil*temptime	15	64	1.98	0.0309
26	__octanal__fat_s	oil*Package	1	64	4.94	0.0297
27	__octanal__fat_s	temptime*Package	15	64	2.60	0.0042
28	__octanal__fat_s	oil*temptime*Package	15	64	1.82	0.0507
29	octanone__soap_g	oil	1	64	3.82	0.0549
30	octanone__soap_g	temptime	15	64	9.94	<.0001
31	octanone__soap_g	Package	1	64	4.04	0.0486
32	octanone__soap_g	oil*temptime	15	64	2.63	0.0037
33	octanone__soap_g	oil*Package	1	64	0.34	0.5638
34	octanone__soap_g	temptime*Package	15	64	1.62	0.0940
35	octanone__soap_g	oil*temptime*Package	15	64	0.49	0.9384
36	heptanoic_acid__	oil	1	64	8.72	0.0044
37	heptanoic_acid__	temptime	15	64	0.81	0.6586
38	heptanoic_acid__	Package	1	64	37.82	<.0001
39	heptanoic_acid__	oil*temptime	15	64	2.41	0.0079
40	heptanoic_acid__	oil*Package	1	64	0.75	0.3908
41	heptanoic_acid__	temptime*Package	15	64	0.62	0.8442
42	heptanoic_acid__	oil*temptime*Package	15	64	0.68	0.7901
43	nonanal__fruity_	oil	1	64	0.02	0.8805
44	nonanal__fruity_	temptime	15	64	2.28	0.0116
45	nonanal__fruity_	Package	1	64	5.70	0.0200
46	nonanal__fruity_	oil*temptime	15	64	1.10	0.3705
47	nonanal__fruity_	oil*Package	1	64	0.16	0.6912
48	nonanal__fruity_	temptime*Package	15	64	0.93	0.5363
49	nonanal__fruity_	oil*temptime*Package	15	64	1.00	0.4707

Overall Analysis Results for each variable

Obs	depvar	Effect	Num DF	Den DF	fvalue	ProbF
50	nonanol__fat_gre	oil	1	64	0.14	0.7134
51	nonanol__fat_gre	temptime	15	64	1.40	0.1772
52	nonanol__fat_gre	Package	1	64	2.72	0.1040
53	nonanol__fat_gre	oil*temptime	15	64	1.12	0.3605
54	nonanol__fat_gre	oil*Package	1	64	0.10	0.7555
55	nonanol__fat_gre	temptime*Package	15	64	1.03	0.4407
56	nonanol__fat_gre	oil*temptime*Package	15	64	1.19	0.3023
57	__decanone__plas	oil	1	64	6.21	0.0153
58	__decanone__plas	temptime	15	64	6.12	<.0001
59	__decanone__plas	Package	1	64	10.86	0.0016
60	__decanone__plas	oil*temptime	15	64	0.78	0.6959
61	__decanone__plas	oil*Package	1	64	0.30	0.5875
62	__decanone__plas	temptime*Package	15	64	1.89	0.0408
63	__decanone__plas	oil*temptime*Package	15	64	1.10	0.3735
64	nonadienal__gera	oil	1	64	5.66	0.0203
65	nonadienal__gera	temptime	15	64	6.78	<.0001
66	nonadienal__gera	Package	1	64	0.02	0.8842
67	nonadienal__gera	oil*temptime	15	64	0.97	0.4928
68	nonadienal__gera	oil*Package	1	64	0.94	0.3364
69	nonadienal__gera	temptime*Package	15	64	0.65	0.8235
70	nonadienal__gera	oil*temptime*Package	15	64	0.47	0.9471
71	nonanoic_acid__g	oil	1	64	0.61	0.4362
72	nonanoic_acid__g	temptime	15	64	5.47	<.0001
73	nonanoic_acid__g	Package	1	64	24.92	<.0001
74	nonanoic_acid__g	oil*temptime	15	64	0.91	0.5583
75	nonanoic_acid__g	oil*Package	1	64	0.00	0.9852
76	nonanoic_acid__g	temptime*Package	15	64	2.98	0.0012
77	nonanoic_acid__g	oil*temptime*Package	15	64	0.97	0.4913
78	undecanal__cocon	oil	1	64	0.97	0.3294
79	undecanal__cocon	temptime	15	64	4.24	<.0001
80	undecanal__cocon	Package	1	64	25.08	<.0001
81	undecanal__cocon	oil*temptime	15	64	1.14	0.3436
82	undecanal__cocon	oil*Package	1	64	0.02	0.8937
83	undecanal__cocon	temptime*Package	15	64	2.42	0.0074
84	undecanal__cocon	oil*temptime*Package	15	64	1.06	0.4089
85	__decenal__acrid	oil	1	64	0.03	0.8549
86	__decenal__acrid	temptime	15	64	1.09	0.3824
87	__decenal__acrid	Package	1	64	8.20	0.0056
88	__decenal__acrid	oil*temptime	15	64	1.39	0.1810
89	__decenal__acrid	oil*Package	1	64	0.44	0.5075
90	__decenal__acrid	temptime*Package	15	64	1.06	0.4130
91	__decenal__acrid	oil*temptime*Package	15	64	1.45	0.1501
92	Paint_Aroma	oil	1	64	11.07	0.0015
93	Paint_Aroma	temptime	15	64	3.52	0.0002
94	Paint_Aroma	Package	1	64	2.67	0.1071
95	Paint_Aroma	oil*temptime	15	64	3.41	0.0003
96	Paint_Aroma	oil*Package	1	64	14.82	0.0003
97	Paint_Aroma	temptime*Package	15	64	2.37	0.0087
98	Paint_Aroma	oil*temptime*Package	15	64	0.92	0.5476

Overall Analysis Results for each variable

Obs	depvar	Effect	Num DF	Den DF	fvalue	ProbF
99	Green_Aroma	oil	1	64	3.26	0.0758
100	Green_Aroma	temptime	15	64	1.81	0.0530
101	Green_Aroma	Package	1	64	0.55	0.4598
102	Green_Aroma	oil*temptime	15	64	1.32	0.2148
103	Green_Aroma	oil*Package	1	64	1.11	0.2970
104	Green_Aroma	temptime*Package	15	64	0.90	0.5629
105	Green_Aroma	oil*temptime*Package	15	64	0.45	0.9558
106	Pine_Aroma	oil	1	64	3.59	0.0628
107	Pine_Aroma	temptime	15	64	1.24	0.2643
108	Pine_Aroma	Package	1	64	4.96	0.0294
109	Pine_Aroma	oil*temptime	15	64	2.50	0.0058
110	Pine_Aroma	oil*Package	1	64	8.08	0.0060
111	Pine_Aroma	temptime*Package	15	64	1.15	0.3293
112	Pine_Aroma	oil*temptime*Package	15	64	1.37	0.1901
113	Fish_Aroma	oil	1	64	1.24	0.2700
114	Fish_Aroma	temptime	15	64	0.90	0.5699
115	Fish_Aroma	Package	1	64	0.54	0.4660
116	Fish_Aroma	oil*temptime	15	64	0.48	0.9448
117	Fish_Aroma	oil*Package	1	64	0.47	0.4969
118	Fish_Aroma	temptime*Package	15	64	1.01	0.4582
119	Fish_Aroma	oil*temptime*Package	15	64	1.52	0.1250
120	Sulfur_Aroma	oil	1	64	1.62	0.2078
121	Sulfur_Aroma	temptime	15	64	1.86	0.0455
122	Sulfur_Aroma	Package	1	64	1.06	0.3075
123	Sulfur_Aroma	oil*temptime	15	64	1.93	0.0358
124	Sulfur_Aroma	oil*Package	1	64	0.34	0.5633
125	Sulfur_Aroma	temptime*Package	15	64	1.53	0.1218
126	Sulfur_Aroma	oil*temptime*Package	15	64	1.21	0.2892
127	Solvent_Aroma	oil	1	64	3.88	0.0533
128	Solvent_Aroma	temptime	15	64	2.02	0.0275
129	Solvent_Aroma	Package	1	64	0.98	0.3262
130	Solvent_Aroma	oil*temptime	15	64	1.70	0.0744
131	Solvent_Aroma	oil*Package	1	64	10.41	0.0020
132	Solvent_Aroma	temptime*Package	15	64	1.02	0.4469
133	Solvent_Aroma	oil*temptime*Package	15	64	1.26	0.2554
134	Cardboard_Aroma	oil	1	64	1.61	0.2093
135	Cardboard_Aroma	temptime	15	64	2.06	0.0242
136	Cardboard_Aroma	Package	1	64	10.60	0.0018
137	Cardboard_Aroma	oil*temptime	15	64	1.14	0.3376
138	Cardboard_Aroma	oil*Package	1	64	0.02	0.9003
139	Cardboard_Aroma	temptime*Package	15	64	2.37	0.0088
140	Cardboard_Aroma	oil*temptime*Package	15	64	1.46	0.1475
141	Fruity_Floral_Ar	oil	1	64	1.18	0.2812
142	Fruity_Floral_Ar	temptime	15	64	2.90	0.0016
143	Fruity_Floral_Ar	Package	1	64	4.05	0.0483
144	Fruity_Floral_Ar	oil*temptime	15	64	1.54	0.1162
145	Fruity_Floral_Ar	oil*Package	1	64	0.03	0.8565
146	Fruity_Floral_Ar	temptime*Package	15	64	0.91	0.5586
147	Fruity_Floral_Ar	oil*temptime*Package	15	64	0.84	0.6306

Overall Analysis Results for each variable

Obs	depvar	Effect	Num DF	Den DF	fvalue	ProbF
148	Musty_Aroma	oil	1	64	1.09	0.2993
149	Musty_Aroma	temptime	15	64	2.10	0.0208
150	Musty_Aroma	Package	1	64	7.85	0.0067
151	Musty_Aroma	oil*temptime	15	64	0.52	0.9218
152	Musty_Aroma	oil*Package	1	64	0.02	0.8917
153	Musty_Aroma	temptime*Package	15	64	1.21	0.2876
154	Musty_Aroma	oil*temptime*Package	15	64	0.42	0.9687
155	Stale_Nut_Aroma	oil	1	64	4.67	0.0345
156	Stale_Nut_Aroma	temptime	15	64	1.08	0.3888
157	Stale_Nut_Aroma	Package	1	64	1.59	0.2116
158	Stale_Nut_Aroma	oil*temptime	15	64	1.44	0.1576
159	Stale_Nut_Aroma	oil*Package	1	64	1.07	0.3045
160	Stale_Nut_Aroma	temptime*Package	15	64	0.92	0.5433
161	Stale_Nut_Aroma	oil*temptime*Package	15	64	0.85	0.6209
162	Paint_Flavor	oil	1	64	0.56	0.4566
163	Paint_Flavor	temptime	15	64	2.31	0.0106
164	Paint_Flavor	Package	1	64	0.06	0.8059
165	Paint_Flavor	oil*temptime	15	64	2.08	0.0225
166	Paint_Flavor	oil*Package	1	64	4.60	0.0357
167	Paint_Flavor	temptime*Package	15	64	0.94	0.5299
168	Paint_Flavor	oil*temptime*Package	15	64	0.81	0.6598
169	Green_Flavor	oil	1	64	0.45	0.5051
170	Green_Flavor	temptime	15	64	1.46	0.1464
171	Green_Flavor	Package	1	64	0.00	0.9481
172	Green_Flavor	oil*temptime	15	64	1.42	0.1646
173	Green_Flavor	oil*Package	1	64	2.73	0.1031
174	Green_Flavor	temptime*Package	15	64	0.77	0.7095
175	Green_Flavor	oil*temptime*Package	15	64	0.96	0.5051
176	Pine_Flavor	oil	1	64	0.60	0.4426
177	Pine_Flavor	temptime	15	64	0.99	0.4714
178	Pine_Flavor	Package	1	64	1.30	0.2579
179	Pine_Flavor	oil*temptime	15	64	1.33	0.2138
180	Pine_Flavor	oil*Package	1	64	3.61	0.0619
181	Pine_Flavor	temptime*Package	15	64	1.22	0.2827
182	Pine_Flavor	oil*temptime*Package	15	64	1.12	0.3597
183	Fish_Flavor	oil	1	64	4.28	0.0425
184	Fish_Flavor	temptime	15	64	1.26	0.2518
185	Fish_Flavor	Package	1	64	0.03	0.8628
186	Fish_Flavor	oil*temptime	15	64	0.53	0.9166
187	Fish_Flavor	oil*Package	1	64	0.37	0.5465
188	Fish_Flavor	temptime*Package	15	64	1.54	0.1183
189	Fish_Flavor	oil*temptime*Package	15	64	1.22	0.2810
190	Sulfur_Flavor	oil	1	64	8.68	0.0045
191	Sulfur_Flavor	temptime	15	64	1.28	0.2403
192	Sulfur_Flavor	Package	1	64	2.84	0.0970
193	Sulfur_Flavor	oil*temptime	15	64	1.11	0.3644
194	Sulfur_Flavor	oil*Package	1	64	2.28	0.1361
195	Sulfur_Flavor	temptime*Package	15	64	1.38	0.1839
196	Sulfur_Flavor	oil*temptime*Package	15	64	0.94	0.5228

Overall Analysis Results for each variable

Obs	depvar	Effect	Num DF	Den DF	fvalue	ProbF
197	Solvent_Flavor	oil	1	64	0.15	0.6955
198	Solvent_Flavor	temptime	15	64	3.52	0.0002
199	Solvent_Flavor	Package	1	64	1.56	0.2162
200	Solvent_Flavor	oil*temptime	15	64	2.11	0.0204
201	Solvent_Flavor	oil*Package	1	64	3.83	0.0547
202	Solvent_Flavor	temptime*Package	15	64	1.40	0.1736
203	Solvent_Flavor	oil*temptime*Package	15	64	0.78	0.6986
204	Cardboard_Flavor	oil	1	64	1.09	0.2994
205	Cardboard_Flavor	temptime	15	64	2.76	0.0025
206	Cardboard_Flavor	Package	1	64	25.67	<.0001
207	Cardboard_Flavor	oil*temptime	15	64	0.57	0.8844
208	Cardboard_Flavor	oil*Package	1	64	0.04	0.8518
209	Cardboard_Flavor	temptime*Package	15	64	2.46	0.0065
210	Cardboard_Flavor	oil*temptime*Package	15	64	0.18	0.9997
211	Fruity_Floral_Fl	oil	1	64	0.00	0.9725
212	Fruity_Floral_Fl	temptime	15	64	3.23	0.0005
213	Fruity_Floral_Fl	Package	1	64	4.16	0.0456
214	Fruity_Floral_Fl	oil*temptime	15	64	0.31	0.9929
215	Fruity_Floral_Fl	oil*Package	1	64	0.01	0.9381
216	Fruity_Floral_Fl	temptime*Package	15	64	1.36	0.1945
217	Fruity_Floral_Fl	oil*temptime*Package	15	64	0.40	0.9752
218	Musty_Flavor	oil	1	64	1.59	0.2125
219	Musty_Flavor	temptime	15	64	2.44	0.0071
220	Musty_Flavor	Package	1	64	13.53	0.0005
221	Musty_Flavor	oil*temptime	15	64	0.80	0.6693
222	Musty_Flavor	oil*Package	1	64	0.47	0.4945
223	Musty_Flavor	temptime*Package	15	64	1.59	0.1013
224	Musty_Flavor	oil*temptime*Package	15	64	0.42	0.9670
225	Stale_Nut_Flavor	oil	1	64	0.24	0.6250
226	Stale_Nut_Flavor	temptime	15	64	1.08	0.3965
227	Stale_Nut_Flavor	Package	1	64	0.98	0.3251
228	Stale_Nut_Flavor	oil*temptime	15	64	0.34	0.9890
229	Stale_Nut_Flavor	oil*Package	1	64	1.92	0.1704
230	Stale_Nut_Flavor	temptime*Package	15	64	0.70	0.7749
231	Stale_Nut_Flavor	oil*temptime*Package	15	64	0.79	0.6824
232	__Point_Hedonic_	oil	1	63	3.81	0.0554
233	__Point_Hedonic_	temptime	15	63	1.22	0.2793
234	__Point_Hedonic_	Package	1	63	77.85	<.0001
235	__Point_Hedonic_	oil*temptime	15	63	6.16	<.0001
236	__Point_Hedonic_	oil*Package	1	63	1.49	0.2261
237	__Point_Hedonic_	temptime*Package	15	63	3.14	0.0007
238	__Point_Hedonic_	oil*temptime*Package	15	63	1.65	0.0851
239	Normal_Usage	oil	1	63	3.43	0.0686
240	Normal_Usage	temptime	15	63	2.29	0.0115
241	Normal_Usage	Package	1	63	83.61	<.0001
242	Normal_Usage	oil*temptime	15	63	1.95	0.0339
243	Normal_Usage	oil*Package	1	63	6.00	0.0171
244	Normal_Usage	temptime*Package	15	63	1.82	0.0506
245	Normal_Usage	oil*temptime*Package	15	63	1.84	0.0476

Overall Analysis Results for each variable

Obs	depvar	Effect	Num DF	Den DF	fvalue	ProbF
246	Emergency_Usage	oil	1	63	0.89	0.3500
247	Emergency_Usage	temptime	15	63	1.55	0.1166
248	Emergency_Usage	Package	1	63	24.01	<.0001
249	Emergency_Usage	oil*temptime	15	63	2.47	0.0066
250	Emergency_Usage	oil*Package	1	63	0.14	0.7130
251	Emergency_Usage	temptime*Package	15	63	3.31	0.0004
252	Emergency_Usage	oil*temptime*Package	15	63	0.90	0.5726
253	Peroxide_Value	oil	1	64	7.84	0.0068
254	Peroxide_Value	temptime	15	64	8.56	<.0001
255	Peroxide_Value	Package	1	64	31.25	<.0001
256	Peroxide_Value	oil*temptime	15	64	2.62	0.0039
257	Peroxide_Value	oil*Package	1	64	8.70	0.0044
258	Peroxide_Value	temptime*Package	15	64	5.43	<.0001
259	Peroxide_Value	oil*temptime*Package	15	64	2.53	0.0053

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
50	Hexanal__grassy_	HOCAN	6022	HOCAN	6028	-27649	6708.88	64	-4.12	0.0314
74	Hexanal__grassy_	HOSUN	6022	HOSUN	6024	-22799	6708.88	64	-3.40	0.2053
78	Hexanal__grassy_	HOSUN	6024	HOSUN	6028	20357	6708.88	64	3.03	0.4139
83	Hexanal__grassy_	HOCAN	6024	HOCAN	6028	-19306	6708.88	64	-2.88	0.5257
87	Hexanal__grassy_	HOSUN	6024	HOSUN	6026	18846	6708.88	64	2.81	0.5764
97	Hexanal__grassy_	HOCAN	6022	HOCAN	6026	-17438	6708.88	64	-2.60	0.7271
130	Hexanal__grassy_	HOCAN	6026	HOCAN	6028	-10212	6708.88	64	-1.52	0.9996
144	Hexanal__grassy_	HOCAN	6024	HOCAN	6026	-9094.25	6708.88	64	-1.36	1.0000
159	Hexanal__grassy_	HOCAN	6022	HOCAN	6024	-8343.25	6708.88	64	-1.24	1.0000
199	Hexanal__grassy_	HOCAN	3044	HOCAN	3046	5971.25	6708.88	64	0.89	1.0000
222	Hexanal__grassy_	HOCAN	5026	HOCAN	5028	-5166.00	6708.88	64	-0.77	1.0000
226	Hexanal__grassy_	HOCAN	3042	HOCAN	3044	-5025.75	6708.88	64	-0.75	1.0000
243	Hexanal__grassy_	HOCAN	3040	HOCAN	3044	-4687.25	6708.88	64	-0.70	1.0000
279	Hexanal__grassy_	HOCAN	5028	HOCAN	5032	3940.50	6708.88	64	0.59	1.0000
281	Hexanal__grassy_	HOSUN	6022	HOSUN	6026	-3952.25	6708.88	64	-0.59	1.0000
288	Hexanal__grassy_	HOCAN	3040	HOCAN	3042	338.50	6708.88	64	0.05	1.0000
289	Hexanal__grassy_	HOCAN	3040	HOCAN	3046	1284.00	6708.88	64	0.19	1.0000
306	Hexanal__grassy_	HOCAN	3042	HOCAN	3046	945.50	6708.88	64	0.14	1.0000
346	Hexanal__grassy_	HOCAN	4034	HOCAN	4036	-1570.00	6708.88	64	-0.23	1.0000
347	Hexanal__grassy_	HOCAN	4034	HOCAN	4038	-1279.25	6708.88	64	-0.19	1.0000
348	Hexanal__grassy_	HOCAN	4034	HOCAN	4040	-557.00	6708.88	64	-0.08	1.0000
358	Hexanal__grassy_	HOCAN	4036	HOCAN	4038	290.75	6708.88	64	0.04	1.0000
359	Hexanal__grassy_	HOCAN	4036	HOCAN	4040	1013.00	6708.88	64	0.15	1.0000
372	Hexanal__grassy_	HOCAN	4038	HOCAN	4040	722.25	6708.88	64	0.11	1.0000
394	Hexanal__grassy_	HOCAN	5026	HOCAN	5030	-2134.00	6708.88	64	-0.32	1.0000
395	Hexanal__grassy_	HOCAN	5026	HOCAN	5032	-1225.50	6708.88	64	-0.18	1.0000
408	Hexanal__grassy_	HOCAN	5028	HOCAN	5030	3032.00	6708.88	64	0.45	1.0000
416	Hexanal__grassy_	HOCAN	5030	HOCAN	5032	908.50	6708.88	64	0.14	1.0000
439	Hexanal__grassy_	HOSUN	3040	HOSUN	3042	-157.75	6708.88	64	-0.02	1.0000
440	Hexanal__grassy_	HOSUN	3040	HOSUN	3044	-1705.25	6708.88	64	-0.25	1.0000
441	Hexanal__grassy_	HOSUN	3040	HOSUN	3046	278.25	6708.88	64	0.04	1.0000
447	Hexanal__grassy_	HOSUN	3042	HOSUN	3044	-1547.50	6708.88	64	-0.23	1.0000
448	Hexanal__grassy_	HOSUN	3042	HOSUN	3046	436.00	6708.88	64	0.06	1.0000
454	Hexanal__grassy_	HOSUN	3044	HOSUN	3046	1983.50	6708.88	64	0.30	1.0000
468	Hexanal__grassy_	HOSUN	4034	HOSUN	4036	-774.50	6708.88	64	-0.12	1.0000
469	Hexanal__grassy_	HOSUN	4034	HOSUN	4038	-980.25	6708.88	64	-0.15	1.0000
470	Hexanal__grassy_	HOSUN	4034	HOSUN	4040	-1772.50	6708.88	64	-0.26	1.0000
472	Hexanal__grassy_	HOSUN	4036	HOSUN	4038	-205.75	6708.88	64	-0.03	1.0000
473	Hexanal__grassy_	HOSUN	4036	HOSUN	4040	-998.00	6708.88	64	-0.15	1.0000
477	Hexanal__grassy_	HOSUN	4038	HOSUN	4040	-792.25	6708.88	64	-0.12	1.0000
485	Hexanal__grassy_	HOSUN	5026	HOSUN	5028	-856.50	6708.88	64	-0.13	1.0000
486	Hexanal__grassy_	HOSUN	5026	HOSUN	5030	-1297.00	6708.88	64	-0.19	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
487	Hexanal__grassy_	HOSUN	5026	HOSUN	5032	-1726.75	6708.88	64	-0.26	1.0000
489	Hexanal__grassy_	HOSUN	5028	HOSUN	5030	-440.50	6708.88	64	-0.07	1.0000
490	Hexanal__grassy_	HOSUN	5028	HOSUN	5032	-870.25	6708.88	64	-0.13	1.0000
492	Hexanal__grassy_	HOSUN	5030	HOSUN	5032	-429.75	6708.88	64	-0.06	1.0000
495	Hexanal__grassy_	HOSUN	6022	HOSUN	6028	-2442.00	6708.88	64	-0.36	1.0000
496	Hexanal__grassy_	HOSUN	6026	HOSUN	6028	1510.25	6708.88	64	0.23	1.0000
525	__heptanal__fat_	HOCAN	6022	HOCAN	6028	-89931	15687	64	-5.73	0.0001
526	__heptanal__fat_	HOCAN	6024	HOCAN	6028	-80883	15687	64	-5.16	0.0010
555	__heptanal__fat_	HOCAN	6022	HOCAN	6026	-47028	15687	64	-3.00	0.4390
556	__heptanal__fat_	HOCAN	6026	HOCAN	6028	-42902	15687	64	-2.73	0.6310
560	__heptanal__fat_	HOCAN	6024	HOCAN	6026	-37981	15687	64	-2.42	0.8359
655	__heptanal__fat_	HOSUN	6022	HOSUN	6024	-9775.00	15687	64	-0.62	1.0000
668	__heptanal__fat_	HOCAN	6022	HOCAN	6024	-9047.50	15687	64	-0.58	1.0000
675	__heptanal__fat_	HOCAN	3040	HOCAN	3042	-809.25	15687	64	-0.05	1.0000
676	__heptanal__fat_	HOCAN	3040	HOCAN	3044	-848.25	15687	64	-0.05	1.0000
677	__heptanal__fat_	HOCAN	3040	HOCAN	3046	1229.75	15687	64	0.08	1.0000
699	__heptanal__fat_	HOCAN	3042	HOCAN	3044	-39.0000	15687	64	-0.00	1.0000
700	__heptanal__fat_	HOCAN	3042	HOCAN	3046	2039.00	15687	64	0.13	1.0000
722	__heptanal__fat_	HOCAN	3044	HOCAN	3046	2078.00	15687	64	0.13	1.0000
765	__heptanal__fat_	HOCAN	4034	HOCAN	4036	-2157.25	15687	64	-0.14	1.0000
766	__heptanal__fat_	HOCAN	4034	HOCAN	4038	-1967.50	15687	64	-0.13	1.0000
767	__heptanal__fat_	HOCAN	4034	HOCAN	4040	-1665.00	15687	64	-0.11	1.0000
785	__heptanal__fat_	HOCAN	4036	HOCAN	4038	189.75	15687	64	0.01	1.0000
786	__heptanal__fat_	HOCAN	4036	HOCAN	4040	492.25	15687	64	0.03	1.0000
804	__heptanal__fat_	HOCAN	4038	HOCAN	4040	302.50	15687	64	0.02	1.0000
839	__heptanal__fat_	HOCAN	5026	HOCAN	5028	-957.50	15687	64	-0.06	1.0000
840	__heptanal__fat_	HOCAN	5026	HOCAN	5030	-768.75	15687	64	-0.05	1.0000
841	__heptanal__fat_	HOCAN	5026	HOCAN	5032	-562.50	15687	64	-0.04	1.0000
856	__heptanal__fat_	HOCAN	5028	HOCAN	5030	188.75	15687	64	0.01	1.0000
857	__heptanal__fat_	HOCAN	5028	HOCAN	5032	395.00	15687	64	0.03	1.0000
873	__heptanal__fat_	HOCAN	5030	HOCAN	5032	206.25	15687	64	0.01	1.0000
904	__heptanal__fat_	HOSUN	3040	HOSUN	3042	-475.25	15687	64	-0.03	1.0000
905	__heptanal__fat_	HOSUN	3040	HOSUN	3044	-636.25	15687	64	-0.04	1.0000
906	__heptanal__fat_	HOSUN	3040	HOSUN	3046	-379.25	15687	64	-0.02	1.0000
916	__heptanal__fat_	HOSUN	3042	HOSUN	3044	-161.00	15687	64	-0.01	1.0000
917	__heptanal__fat_	HOSUN	3042	HOSUN	3046	96.0000	15687	64	0.01	1.0000
927	__heptanal__fat_	HOSUN	3044	HOSUN	3046	257.00	15687	64	0.02	1.0000
946	__heptanal__fat_	HOSUN	4034	HOSUN	4036	-901.00	15687	64	-0.06	1.0000
947	__heptanal__fat_	HOSUN	4034	HOSUN	4038	-1356.25	15687	64	-0.09	1.0000
948	__heptanal__fat_	HOSUN	4034	HOSUN	4040	-852.50	15687	64	-0.05	1.0000
954	__heptanal__fat_	HOSUN	4036	HOSUN	4038	-455.25	15687	64	-0.03	1.0000
955	__heptanal__fat_	HOSUN	4036	HOSUN	4040	48.5000	15687	64	0.00	1.0000

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
961	__heptanal__fat_	HOSUN	4038	HOSUN	4040	503.75	15687	64	0.03	1.0000
972	__heptanal__fat_	HOSUN	5026	HOSUN	5028	31.0000	15687	64	0.00	1.0000
973	__heptanal__fat_	HOSUN	5026	HOSUN	5030	-448.00	15687	64	-0.03	1.0000
974	__heptanal__fat_	HOSUN	5026	HOSUN	5032	-1081.75	15687	64	-0.07	1.0000
977	__heptanal__fat_	HOSUN	5028	HOSUN	5030	-479.00	15687	64	-0.03	1.0000
978	__heptanal__fat_	HOSUN	5028	HOSUN	5032	-1112.75	15687	64	-0.07	1.0000
981	__heptanal__fat_	HOSUN	5030	HOSUN	5032	-633.75	15687	64	-0.04	1.0000
988	__heptanal__fat_	HOSUN	6022	HOSUN	6026	-5388.75	15687	64	-0.34	1.0000
989	__heptanal__fat_	HOSUN	6022	HOSUN	6028	-5038.75	15687	64	-0.32	1.0000
990	__heptanal__fat_	HOSUN	6024	HOSUN	6026	4386.25	15687	64	0.28	1.0000
991	__heptanal__fat_	HOSUN	6024	HOSUN	6028	4736.25	15687	64	0.30	1.0000
992	__heptanal__fat_	HOSUN	6026	HOSUN	6028	350.00	15687	64	0.02	1.0000
1011	octanal__fruity_	HOSUN	6022	HOSUN	6024	-71638	18986	64	-3.77	0.0831
1016	octanal__fruity_	HOSUN	6024	HOSUN	6028	64293	18986	64	3.39	0.2107
1017	octanal__fruity_	HOSUN	6024	HOSUN	6026	62565	18986	64	3.30	0.2552
1072	octanal__fruity_	HOCAN	3044	HOCAN	3046	29845	18986	64	1.57	0.9993
1087	octanal__fruity_	HOCAN	3042	HOCAN	3044	-27565	18986	64	-1.45	0.9998
1096	octanal__fruity_	HOCAN	6022	HOCAN	6028	-25994	18986	64	-1.37	0.9999
1116	octanal__fruity_	HOCAN	3040	HOCAN	3044	-22946	18986	64	-1.21	1.0000
1133	octanal__fruity_	HOCAN	6022	HOCAN	6024	-20214	18986	64	-1.06	1.0000
1139	octanal__fruity_	HOCAN	6022	HOCAN	6026	-19879	18986	64	-1.05	1.0000
1208	octanal__fruity_	HOCAN	5026	HOCAN	5028	-13491	18986	64	-0.71	1.0000
1231	octanal__fruity_	HOCAN	5026	HOCAN	5030	-11745	18986	64	-0.62	1.0000
1249	octanal__fruity_	HOCAN	3040	HOCAN	3042	4618.75	18986	64	0.24	1.0000
1250	octanal__fruity_	HOCAN	3040	HOCAN	3046	6899.50	18986	64	0.36	1.0000
1272	octanal__fruity_	HOCAN	3042	HOCAN	3046	2280.75	18986	64	0.12	1.0000
1314	octanal__fruity_	HOCAN	4034	HOCAN	4036	-4130.75	18986	64	-0.22	1.0000
1315	octanal__fruity_	HOCAN	4034	HOCAN	4038	-3790.50	18986	64	-0.20	1.0000
1316	octanal__fruity_	HOCAN	4034	HOCAN	4040	-1202.50	18986	64	-0.06	1.0000
1328	octanal__fruity_	HOCAN	4036	HOCAN	4038	340.25	18986	64	0.02	1.0000
1329	octanal__fruity_	HOCAN	4036	HOCAN	4040	2928.25	18986	64	0.15	1.0000
1343	octanal__fruity_	HOCAN	4038	HOCAN	4040	2588.00	18986	64	0.14	1.0000
1369	octanal__fruity_	HOCAN	5026	HOCAN	5032	-4938.50	18986	64	-0.26	1.0000
1382	octanal__fruity_	HOCAN	5028	HOCAN	5030	1746.75	18986	64	0.09	1.0000
1383	octanal__fruity_	HOCAN	5028	HOCAN	5032	8552.75	18986	64	0.45	1.0000
1388	octanal__fruity_	HOCAN	5030	HOCAN	5032	6806.00	18986	64	0.36	1.0000
1409	octanal__fruity_	HOCAN	6024	HOCAN	6026	334.75	18986	64	0.02	1.0000
1410	octanal__fruity_	HOCAN	6024	HOCAN	6028	-5779.50	18986	64	-0.30	1.0000
1411	octanal__fruity_	HOCAN	6026	HOCAN	6028	-6114.25	18986	64	-0.32	1.0000
1412	octanal__fruity_	HOSUN	3040	HOSUN	3042	-1086.50	18986	64	-0.06	1.0000
1413	octanal__fruity_	HOSUN	3040	HOSUN	3044	-3506.25	18986	64	-0.18	1.0000
1414	octanal__fruity_	HOSUN	3040	HOSUN	3046	416.00	18986	64	0.02	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
1423	octanal__fruity_	HOSUN	3042	HOSUN	3044	-2419.75	18986	64	-0.13	1.0000
1424	octanal__fruity_	HOSUN	3042	HOSUN	3046	1502.50	18986	64	0.08	1.0000
1433	octanal__fruity_	HOSUN	3044	HOSUN	3046	3922.25	18986	64	0.21	1.0000
1451	octanal__fruity_	HOSUN	4034	HOSUN	4036	-1379.00	18986	64	-0.07	1.0000
1452	octanal__fruity_	HOSUN	4034	HOSUN	4038	-3298.75	18986	64	-0.17	1.0000
1453	octanal__fruity_	HOSUN	4034	HOSUN	4040	-8579.00	18986	64	-0.45	1.0000
1457	octanal__fruity_	HOSUN	4036	HOSUN	4038	-1919.75	18986	64	-0.10	1.0000
1458	octanal__fruity_	HOSUN	4036	HOSUN	4040	-7200.00	18986	64	-0.38	1.0000
1463	octanal__fruity_	HOSUN	4038	HOSUN	4040	-5280.25	18986	64	-0.28	1.0000
1474	octanal__fruity_	HOSUN	5026	HOSUN	5028	348.75	18986	64	0.02	1.0000
1475	octanal__fruity_	HOSUN	5026	HOSUN	5030	-136.00	18986	64	-0.01	1.0000
1476	octanal__fruity_	HOSUN	5026	HOSUN	5032	-8780.25	18986	64	-0.46	1.0000
1478	octanal__fruity_	HOSUN	5028	HOSUN	5030	-484.75	18986	64	-0.03	1.0000
1479	octanal__fruity_	HOSUN	5028	HOSUN	5032	-9129.00	18986	64	-0.48	1.0000
1481	octanal__fruity_	HOSUN	5030	HOSUN	5032	-8644.25	18986	64	-0.46	1.0000
1486	octanal__fruity_	HOSUN	6022	HOSUN	6026	-9072.50	18986	64	-0.48	1.0000
1487	octanal__fruity_	HOSUN	6022	HOSUN	6028	-7344.50	18986	64	-0.39	1.0000
1488	octanal__fruity_	HOSUN	6026	HOSUN	6028	1728.00	18986	64	0.09	1.0000
1516	__octanal__fat_s	HOCAN	6022	HOCAN	6028	-101542	20691	64	-4.91	0.0025
1518	__octanal__fat_s	HOCAN	6024	HOCAN	6028	-86068	20691	64	-4.16	0.0280
1543	__octanal__fat_s	HOCAN	6026	HOCAN	6028	-57539	20691	64	-2.78	0.5973
1547	__octanal__fat_s	HOCAN	6022	HOCAN	6026	-44003	20691	64	-2.13	0.9511
1573	__octanal__fat_s	HOCAN	6024	HOCAN	6026	-28529	20691	64	-1.38	0.9999
1607	__octanal__fat_s	HOSUN	6022	HOSUN	6024	-17900	20691	64	-0.87	1.0000
1621	__octanal__fat_s	HOCAN	6022	HOCAN	6024	-15474	20691	64	-0.75	1.0000
1629	__octanal__fat_s	HOSUN	6024	HOSUN	6026	12321	20691	64	0.60	1.0000
1630	__octanal__fat_s	HOCAN	3040	HOCAN	3042	61.5000	20691	64	0.00	1.0000
1631	__octanal__fat_s	HOCAN	3040	HOCAN	3044	-3407.00	20691	64	-0.16	1.0000
1632	__octanal__fat_s	HOCAN	3040	HOCAN	3046	980.00	20691	64	0.05	1.0000
1656	__octanal__fat_s	HOCAN	3042	HOCAN	3044	-3468.50	20691	64	-0.17	1.0000
1657	__octanal__fat_s	HOCAN	3042	HOCAN	3046	918.50	20691	64	0.04	1.0000
1681	__octanal__fat_s	HOCAN	3044	HOCAN	3046	4387.00	20691	64	0.21	1.0000
1728	__octanal__fat_s	HOCAN	4034	HOCAN	4036	-1845.00	20691	64	-0.09	1.0000
1729	__octanal__fat_s	HOCAN	4034	HOCAN	4038	-1622.50	20691	64	-0.08	1.0000
1730	__octanal__fat_s	HOCAN	4034	HOCAN	4040	-1436.75	20691	64	-0.07	1.0000
1750	__octanal__fat_s	HOCAN	4036	HOCAN	4038	222.50	20691	64	0.01	1.0000
1751	__octanal__fat_s	HOCAN	4036	HOCAN	4040	408.25	20691	64	0.02	1.0000
1771	__octanal__fat_s	HOCAN	4038	HOCAN	4040	185.75	20691	64	0.01	1.0000
1810	__octanal__fat_s	HOCAN	5026	HOCAN	5028	-4260.50	20691	64	-0.21	1.0000
1811	__octanal__fat_s	HOCAN	5026	HOCAN	5030	-1898.50	20691	64	-0.09	1.0000
1812	__octanal__fat_s	HOCAN	5026	HOCAN	5032	-1410.25	20691	64	-0.07	1.0000
1828	__octanal__fat_s	HOCAN	5028	HOCAN	5030	2362.00	20691	64	0.11	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
1829	__octanal__fat_s	HOCAN	5028	HOCAN	5032	2850.25	20691	64	0.14	1.0000
1845	__octanal__fat_s	HOCAN	5030	HOCAN	5032	488.25	20691	64	0.02	1.0000
1879	__octanal__fat_s	HOSUN	3040	HOSUN	3042	-316.00	20691	64	-0.02	1.0000
1880	__octanal__fat_s	HOSUN	3040	HOSUN	3044	-943.75	20691	64	-0.05	1.0000
1881	__octanal__fat_s	HOSUN	3040	HOSUN	3046	285.50	20691	64	0.01	1.0000
1893	__octanal__fat_s	HOSUN	3042	HOSUN	3044	-627.75	20691	64	-0.03	1.0000
1894	__octanal__fat_s	HOSUN	3042	HOSUN	3046	601.50	20691	64	0.03	1.0000
1906	__octanal__fat_s	HOSUN	3044	HOSUN	3046	1229.25	20691	64	0.06	1.0000
1929	__octanal__fat_s	HOSUN	4034	HOSUN	4036	-915.75	20691	64	-0.04	1.0000
1930	__octanal__fat_s	HOSUN	4034	HOSUN	4038	-1243.75	20691	64	-0.06	1.0000
1931	__octanal__fat_s	HOSUN	4034	HOSUN	4040	-1276.75	20691	64	-0.06	1.0000
1939	__octanal__fat_s	HOSUN	4036	HOSUN	4038	-328.00	20691	64	-0.02	1.0000
1940	__octanal__fat_s	HOSUN	4036	HOSUN	4040	-361.00	20691	64	-0.02	1.0000
1948	__octanal__fat_s	HOSUN	4038	HOSUN	4040	-33.0000	20691	64	-0.00	1.0000
1963	__octanal__fat_s	HOSUN	5026	HOSUN	5028	-535.75	20691	64	-0.03	1.0000
1964	__octanal__fat_s	HOSUN	5026	HOSUN	5030	-445.00	20691	64	-0.02	1.0000
1965	__octanal__fat_s	HOSUN	5026	HOSUN	5032	-723.25	20691	64	-0.03	1.0000
1969	__octanal__fat_s	HOSUN	5028	HOSUN	5030	90.7500	20691	64	0.00	1.0000
1970	__octanal__fat_s	HOSUN	5028	HOSUN	5032	-187.50	20691	64	-0.01	1.0000
1974	__octanal__fat_s	HOSUN	5030	HOSUN	5032	-278.25	20691	64	-0.01	1.0000
1981	__octanal__fat_s	HOSUN	6022	HOSUN	6026	-5579.25	20691	64	-0.27	1.0000
1982	__octanal__fat_s	HOSUN	6022	HOSUN	6028	-6798.25	20691	64	-0.33	1.0000
1983	__octanal__fat_s	HOSUN	6024	HOSUN	6028	11102	20691	64	0.54	1.0000
1984	__octanal__fat_s	HOSUN	6026	HOSUN	6028	-1219.00	20691	64	-0.06	1.0000
1997	octanone__soap_g	HOSUN	6024	HOSUN	6026	21972	3036.77	64	7.24	<.0001
1999	octanone__soap_g	HOSUN	6022	HOSUN	6024	-21526	3036.77	64	-7.09	<.0001
2002	octanone__soap_g	HOSUN	6024	HOSUN	6028	21421	3036.77	64	7.05	<.0001
2033	octanone__soap_g	HOCAN	5026	HOCAN	5028	-16400	3036.77	64	-5.40	0.0004
2035	octanone__soap_g	HOCAN	5028	HOCAN	5032	16108	3036.77	64	5.30	0.0006
2046	octanone__soap_g	HOCAN	5028	HOCAN	5030	13557	3036.77	64	4.46	0.0109
2067	octanone__soap_g	HOCAN	6022	HOCAN	6024	-10883	3036.77	64	-3.58	0.1340
2068	octanone__soap_g	HOCAN	6024	HOCAN	6026	10470	3036.77	64	3.45	0.1839
2072	octanone__soap_g	HOCAN	6024	HOCAN	6028	8352.00	3036.77	64	2.75	0.6198
2094	octanone__soap_g	HOCAN	4036	HOCAN	4040	4778.25	3036.77	64	1.57	0.9993
2109	octanone__soap_g	HOCAN	4034	HOCAN	4036	-3861.25	3036.77	64	-1.27	1.0000
2150	octanone__soap_g	HOCAN	4036	HOCAN	4038	2968.00	3036.77	64	0.98	1.0000
2156	octanone__soap_g	HOCAN	5026	HOCAN	5030	-2842.25	3036.77	64	-0.94	1.0000
2174	octanone__soap_g	HOCAN	5030	HOCAN	5032	2551.00	3036.77	64	0.84	1.0000
2176	octanone__soap_g	HOCAN	6022	HOCAN	6028	-2531.00	3036.77	64	-0.83	1.0000
2197	octanone__soap_g	HOSUN	4036	HOSUN	4040	2210.25	3036.77	64	0.73	1.0000
2204	octanone__soap_g	HOSUN	4034	HOSUN	4036	-2159.25	3036.77	64	-0.71	1.0000
2211	octanone__soap_g	HOCAN	6026	HOCAN	6028	-2118.50	3036.77	64	-0.70	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
2212	octanone__soap_g	HOSUN	4038	HOSUN	4040	2115.50	3036.77	64	0.70	1.0000
2215	octanone__soap_g	HOCAN	3040	HOCAN	3042	-2095.00	3036.77	64	-0.69	1.0000
2217	octanone__soap_g	HOSUN	4034	HOSUN	4038	-2064.50	3036.77	64	-0.68	1.0000
2234	octanone__soap_g	HOCAN	3042	HOCAN	3046	1899.00	3036.77	64	0.63	1.0000
2238	octanone__soap_g	HOCAN	4038	HOCAN	4040	1810.25	3036.77	64	0.60	1.0000
2244	octanone__soap_g	HOSUN	3042	HOSUN	3046	1738.50	3036.77	64	0.57	1.0000
2254	octanone__soap_g	HOCAN	3040	HOCAN	3044	-806.00	3036.77	64	-0.27	1.0000
2255	octanone__soap_g	HOCAN	3040	HOCAN	3046	-196.00	3036.77	64	-0.06	1.0000
2266	octanone__soap_g	HOCAN	3042	HOCAN	3044	1289.00	3036.77	64	0.42	1.0000
2286	octanone__soap_g	HOCAN	3044	HOCAN	3046	610.00	3036.77	64	0.20	1.0000
2315	octanone__soap_g	HOCAN	4034	HOCAN	4038	-893.25	3036.77	64	-0.29	1.0000
2316	octanone__soap_g	HOCAN	4034	HOCAN	4040	917.00	3036.77	64	0.30	1.0000
2362	octanone__soap_g	HOCAN	5026	HOCAN	5032	-291.25	3036.77	64	-0.10	1.0000
2389	octanone__soap_g	HOCAN	6022	HOCAN	6026	-412.50	3036.77	64	-0.14	1.0000
2402	octanone__soap_g	HOSUN	3040	HOSUN	3042	-1566.00	3036.77	64	-0.52	1.0000
2403	octanone__soap_g	HOSUN	3040	HOSUN	3044	-83.2500	3036.77	64	-0.03	1.0000
2404	octanone__soap_g	HOSUN	3040	HOSUN	3046	172.50	3036.77	64	0.06	1.0000
2410	octanone__soap_g	HOSUN	3042	HOSUN	3044	1482.75	3036.77	64	0.49	1.0000
2422	octanone__soap_g	HOSUN	3044	HOSUN	3046	255.75	3036.77	64	0.08	1.0000
2432	octanone__soap_g	HOSUN	4034	HOSUN	4040	51.0000	3036.77	64	0.02	1.0000
2440	octanone__soap_g	HOSUN	4036	HOSUN	4038	94.7500	3036.77	64	0.03	1.0000
2460	octanone__soap_g	HOSUN	5026	HOSUN	5028	-1310.00	3036.77	64	-0.43	1.0000
2461	octanone__soap_g	HOSUN	5026	HOSUN	5030	-1090.75	3036.77	64	-0.36	1.0000
2462	octanone__soap_g	HOSUN	5026	HOSUN	5032	-547.25	3036.77	64	-0.18	1.0000
2466	octanone__soap_g	HOSUN	5028	HOSUN	5030	219.25	3036.77	64	0.07	1.0000
2467	octanone__soap_g	HOSUN	5028	HOSUN	5032	762.75	3036.77	64	0.25	1.0000
2471	octanone__soap_g	HOSUN	5030	HOSUN	5032	543.50	3036.77	64	0.18	1.0000
2478	octanone__soap_g	HOSUN	6022	HOSUN	6026	446.00	3036.77	64	0.15	1.0000
2479	octanone__soap_g	HOSUN	6022	HOSUN	6028	-105.00	3036.77	64	-0.03	1.0000
2480	octanone__soap_g	HOSUN	6026	HOSUN	6028	-551.00	3036.77	64	-0.18	1.0000
2546	heptanoic_acid__	HOSUN	6022	HOSUN	6026	-5421.25	2146.47	64	-2.53	0.7750
2549	heptanoic_acid__	HOSUN	6022	HOSUN	6028	-5301.00	2146.47	64	-2.47	0.8089
2550	heptanoic_acid__	HOCAN	6024	HOCAN	6028	5238.25	2146.47	64	2.44	0.8255
2556	heptanoic_acid__	HOCAN	6026	HOCAN	6028	4922.00	2146.47	64	2.29	0.8967
2568	heptanoic_acid__	HOSUN	6024	HOSUN	6026	-3919.75	2146.47	64	-1.83	0.9926
2570	heptanoic_acid__	HOSUN	6024	HOSUN	6028	-3799.50	2146.47	64	-1.77	0.9953
2572	heptanoic_acid__	HOCAN	6022	HOCAN	6028	3684.00	2146.47	64	1.72	0.9970
2579	heptanoic_acid__	HOCAN	5026	HOCAN	5028	-3214.75	2146.47	64	-1.50	0.9997
2610	heptanoic_acid__	HOCAN	5028	HOCAN	5032	2297.75	2146.47	64	1.07	1.0000
2628	heptanoic_acid__	HOCAN	5028	HOCAN	5030	1961.50	2146.47	64	0.91	1.0000
2635	heptanoic_acid__	HOSUN	5026	HOSUN	5032	-1879.00	2146.47	64	-0.88	1.0000
2639	heptanoic_acid__	HOSUN	5026	HOSUN	5028	-1834.00	2146.47	64	-0.85	1.0000

interaction for oil*temptime

Obs	dep var	oil	temp time	_oil	_temp time	Estimate	StdErr	df	t Value	Adjp
2643	heptanoic_acid__	HOSUN	4034	HOSUN	4040	-1788.25	2146.47	64	-0.83	1.0000
2663	heptanoic_acid__	HOCAN	6022	HOCAN	6024	-1554.25	2146.47	64	-0.72	1.0000
2665	heptanoic_acid__	HOCAN	3044	HOCAN	3046	-1531.25	2146.47	64	-0.71	1.0000
2666	heptanoic_acid__	HOSUN	3040	HOSUN	3044	-1526.00	2146.47	64	-0.71	1.0000
2670	heptanoic_acid__	HOSUN	6022	HOSUN	6024	-1501.50	2146.47	64	-0.70	1.0000
2672	heptanoic_acid__	HOSUN	3042	HOSUN	3044	-1492.75	2146.47	64	-0.70	1.0000
2674	heptanoic_acid__	HOCAN	3042	HOCAN	3044	1470.25	2146.47	64	0.68	1.0000
2701	heptanoic_acid__	HOCAN	5026	HOCAN	5030	-1253.25	2146.47	64	-0.58	1.0000
2702	heptanoic_acid__	HOCAN	6022	HOCAN	6026	-1238.00	2146.47	64	-0.58	1.0000
2710	heptanoic_acid__	HOCAN	3040	HOCAN	3042	-917.75	2146.47	64	-0.43	1.0000
2711	heptanoic_acid__	HOCAN	3040	HOCAN	3044	552.50	2146.47	64	0.26	1.0000
2712	heptanoic_acid__	HOCAN	3040	HOCAN	3046	-978.75	2146.47	64	-0.46	1.0000
2730	heptanoic_acid__	HOCAN	3042	HOCAN	3046	-61.0000	2146.47	64	-0.03	1.0000
2784	heptanoic_acid__	HOCAN	4034	HOCAN	4036	-294.50	2146.47	64	-0.14	1.0000
2785	heptanoic_acid__	HOCAN	4034	HOCAN	4038	-545.75	2146.47	64	-0.25	1.0000
2786	heptanoic_acid__	HOCAN	4034	HOCAN	4040	-959.00	2146.47	64	-0.45	1.0000
2799	heptanoic_acid__	HOCAN	4036	HOCAN	4038	-251.25	2146.47	64	-0.12	1.0000
2800	heptanoic_acid__	HOCAN	4036	HOCAN	4040	-664.50	2146.47	64	-0.31	1.0000
2816	heptanoic_acid__	HOCAN	4038	HOCAN	4040	-413.25	2146.47	64	-0.19	1.0000
2851	heptanoic_acid__	HOCAN	5026	HOCAN	5032	-917.00	2146.47	64	-0.43	1.0000
2864	heptanoic_acid__	HOCAN	5030	HOCAN	5032	336.25	2146.47	64	0.16	1.0000
2893	heptanoic_acid__	HOCAN	6024	HOCAN	6026	316.25	2146.47	64	0.15	1.0000
2916	heptanoic_acid__	HOSUN	3040	HOSUN	3042	-33.2500	2146.47	64	-0.02	1.0000
2917	heptanoic_acid__	HOSUN	3040	HOSUN	3046	-882.00	2146.47	64	-0.41	1.0000
2927	heptanoic_acid__	HOSUN	3042	HOSUN	3046	-848.75	2146.47	64	-0.40	1.0000
2937	heptanoic_acid__	HOSUN	3044	HOSUN	3046	644.00	2146.47	64	0.30	1.0000
2950	heptanoic_acid__	HOSUN	4034	HOSUN	4036	-857.75	2146.47	64	-0.40	1.0000
2951	heptanoic_acid__	HOSUN	4034	HOSUN	4038	-984.25	2146.47	64	-0.46	1.0000
2954	heptanoic_acid__	HOSUN	4036	HOSUN	4038	-126.50	2146.47	64	-0.06	1.0000
2955	heptanoic_acid__	HOSUN	4036	HOSUN	4040	-930.50	2146.47	64	-0.43	1.0000
2961	heptanoic_acid__	HOSUN	4038	HOSUN	4040	-804.00	2146.47	64	-0.37	1.0000
2970	heptanoic_acid__	HOSUN	5026	HOSUN	5030	-946.50	2146.47	64	-0.44	1.0000
2971	heptanoic_acid__	HOSUN	5028	HOSUN	5030	887.50	2146.47	64	0.41	1.0000
2972	heptanoic_acid__	HOSUN	5028	HOSUN	5032	-45.0000	2146.47	64	-0.02	1.0000
2974	heptanoic_acid__	HOSUN	5030	HOSUN	5032	-932.50	2146.47	64	-0.43	1.0000
2976	heptanoic_acid__	HOSUN	6026	HOSUN	6028	120.25	2146.47	64	0.06	1.0000
2995	nonanal__fruity_	HOSUN	6022	HOSUN	6024	-407044	94821	64	-4.29	0.0187
3002	nonanal__fruity_	HOSUN	6024	HOSUN	6028	362913	94821	64	3.83	0.0719
3003	nonanal__fruity_	HOSUN	6024	HOSUN	6026	342593	94821	64	3.61	0.1247
3013	nonanal__fruity_	HOCAN	3042	HOCAN	3044	-175215	94821	64	-1.85	0.9913
3018	nonanal__fruity_	HOCAN	3044	HOCAN	3046	168526	94821	64	1.78	0.9950
3023	nonanal__fruity_	HOCAN	3040	HOCAN	3044	-156395	94821	64	-1.65	0.9984

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
3083	nonanal__fruity_	HOCAN	6022	HOCAN	6028	-105695	94821	64	-1.11	1.0000
3101	nonanal__fruity_	HOCAN	6022	HOCAN	6026	-91397	94821	64	-0.96	1.0000
3142	nonanal__fruity_	HOCAN	6022	HOCAN	6024	-68249	94821	64	-0.72	1.0000
3149	nonanal__fruity_	HOSUN	6022	HOSUN	6026	-64451	94821	64	-0.68	1.0000
3185	nonanal__fruity_	HOCAN	3040	HOCAN	3042	18819	94821	64	0.20	1.0000
3186	nonanal__fruity_	HOCAN	3040	HOCAN	3046	12130	94821	64	0.13	1.0000
3209	nonanal__fruity_	HOCAN	3042	HOCAN	3046	-6689.00	94821	64	-0.07	1.0000
3252	nonanal__fruity_	HOCAN	4034	HOCAN	4036	-13655	94821	64	-0.14	1.0000
3253	nonanal__fruity_	HOCAN	4034	HOCAN	4038	-18070	94821	64	-0.19	1.0000
3254	nonanal__fruity_	HOCAN	4034	HOCAN	4040	-12996	94821	64	-0.14	1.0000
3269	nonanal__fruity_	HOCAN	4036	HOCAN	4038	-4415.00	94821	64	-0.05	1.0000
3270	nonanal__fruity_	HOCAN	4036	HOCAN	4040	658.50	94821	64	0.01	1.0000
3286	nonanal__fruity_	HOCAN	4038	HOCAN	4040	5073.50	94821	64	0.05	1.0000
3318	nonanal__fruity_	HOCAN	5026	HOCAN	5028	-35704	94821	64	-0.38	1.0000
3319	nonanal__fruity_	HOCAN	5026	HOCAN	5030	-43977	94821	64	-0.46	1.0000
3320	nonanal__fruity_	HOCAN	5026	HOCAN	5032	-38631	94821	64	-0.41	1.0000
3335	nonanal__fruity_	HOCAN	5028	HOCAN	5030	-8272.25	94821	64	-0.09	1.0000
3336	nonanal__fruity_	HOCAN	5028	HOCAN	5032	-2926.50	94821	64	-0.03	1.0000
3349	nonanal__fruity_	HOCAN	5030	HOCAN	5032	5345.75	94821	64	0.06	1.0000
3385	nonanal__fruity_	HOCAN	6024	HOCAN	6026	-23148	94821	64	-0.24	1.0000
3386	nonanal__fruity_	HOCAN	6024	HOCAN	6028	-37446	94821	64	-0.39	1.0000
3389	nonanal__fruity_	HOCAN	6026	HOCAN	6028	-14298	94821	64	-0.15	1.0000
3392	nonanal__fruity_	HOSUN	3040	HOSUN	3042	10221	94821	64	0.11	1.0000
3393	nonanal__fruity_	HOSUN	3040	HOSUN	3044	3449.75	94821	64	0.04	1.0000
3394	nonanal__fruity_	HOSUN	3040	HOSUN	3046	10598	94821	64	0.11	1.0000
3404	nonanal__fruity_	HOSUN	3042	HOSUN	3044	-6771.00	94821	64	-0.07	1.0000
3405	nonanal__fruity_	HOSUN	3042	HOSUN	3046	377.00	94821	64	0.00	1.0000
3415	nonanal__fruity_	HOSUN	3044	HOSUN	3046	7148.00	94821	64	0.08	1.0000
3434	nonanal__fruity_	HOSUN	4034	HOSUN	4036	-13475	94821	64	-0.14	1.0000
3435	nonanal__fruity_	HOSUN	4034	HOSUN	4038	-35557	94821	64	-0.37	1.0000
3436	nonanal__fruity_	HOSUN	4034	HOSUN	4040	-48963	94821	64	-0.52	1.0000
3441	nonanal__fruity_	HOSUN	4036	HOSUN	4038	-22082	94821	64	-0.23	1.0000
3442	nonanal__fruity_	HOSUN	4036	HOSUN	4040	-35488	94821	64	-0.37	1.0000
3448	nonanal__fruity_	HOSUN	4038	HOSUN	4040	-13407	94821	64	-0.14	1.0000
3460	nonanal__fruity_	HOSUN	5026	HOSUN	5028	-9392.00	94821	64	-0.10	1.0000
3461	nonanal__fruity_	HOSUN	5026	HOSUN	5030	-10073	94821	64	-0.11	1.0000
3462	nonanal__fruity_	HOSUN	5026	HOSUN	5032	-27272	94821	64	-0.29	1.0000
3464	nonanal__fruity_	HOSUN	5028	HOSUN	5030	-681.25	94821	64	-0.01	1.0000
3465	nonanal__fruity_	HOSUN	5028	HOSUN	5032	-17880	94821	64	-0.19	1.0000
3467	nonanal__fruity_	HOSUN	5030	HOSUN	5032	-17199	94821	64	-0.18	1.0000
3471	nonanal__fruity_	HOSUN	6022	HOSUN	6028	-44131	94821	64	-0.47	1.0000
3472	nonanal__fruity_	HOSUN	6026	HOSUN	6028	20320	94821	64	0.21	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
3480	nonanol__fat_gre	HOSUN	6024	HOSUN	6028	33651	10320	64	3.26	0.2737
3520	nonanol__fat_gre	HOSUN	6024	HOSUN	6026	30444	10320	64	2.95	0.4731
3523	nonanol__fat_gre	HOCAN	6022	HOCAN	6028	-30015	10320	64	-2.91	0.5032
3527	nonanol__fat_gre	HOCAN	6026	HOCAN	6028	-27981	10320	64	-2.71	0.6483
3530	nonanol__fat_gre	HOSUN	6022	HOSUN	6024	-26887	10320	64	-2.61	0.7230
3531	nonanol__fat_gre	HOCAN	6024	HOCAN	6028	-25303	10320	64	-2.45	0.8191
3554	nonanol__fat_gre	HOSUN	6022	HOSUN	6028	6764.00	10320	64	0.66	1.0000
3573	nonanol__fat_gre	HOCAN	3040	HOCAN	3042	-818.50	10320	64	-0.08	1.0000
3574	nonanol__fat_gre	HOCAN	3040	HOCAN	3044	-1191.75	10320	64	-0.12	1.0000
3575	nonanol__fat_gre	HOCAN	3040	HOCAN	3046	785.75	10320	64	0.08	1.0000
3600	nonanol__fat_gre	HOCAN	3042	HOCAN	3044	-373.25	10320	64	-0.04	1.0000
3601	nonanol__fat_gre	HOCAN	3042	HOCAN	3046	1604.25	10320	64	0.16	1.0000
3627	nonanol__fat_gre	HOCAN	3044	HOCAN	3046	1977.50	10320	64	0.19	1.0000
3676	nonanol__fat_gre	HOCAN	4034	HOCAN	4036	-558.25	10320	64	-0.05	1.0000
3677	nonanol__fat_gre	HOCAN	4034	HOCAN	4038	1241.75	10320	64	0.12	1.0000
3678	nonanol__fat_gre	HOCAN	4034	HOCAN	4040	936.00	10320	64	0.09	1.0000
3700	nonanol__fat_gre	HOCAN	4036	HOCAN	4038	1800.00	10320	64	0.17	1.0000
3701	nonanol__fat_gre	HOCAN	4036	HOCAN	4040	1494.25	10320	64	0.14	1.0000
3723	nonanol__fat_gre	HOCAN	4038	HOCAN	4040	-305.75	10320	64	-0.03	1.0000
3764	nonanol__fat_gre	HOCAN	5026	HOCAN	5028	-3173.75	10320	64	-0.31	1.0000
3765	nonanol__fat_gre	HOCAN	5026	HOCAN	5030	-81.7500	10320	64	-0.01	1.0000
3766	nonanol__fat_gre	HOCAN	5026	HOCAN	5032	571.25	10320	64	0.06	1.0000
3784	nonanol__fat_gre	HOCAN	5028	HOCAN	5030	3092.00	10320	64	0.30	1.0000
3785	nonanol__fat_gre	HOCAN	5028	HOCAN	5032	3745.00	10320	64	0.36	1.0000
3804	nonanol__fat_gre	HOCAN	5030	HOCAN	5032	653.00	10320	64	0.06	1.0000
3839	nonanol__fat_gre	HOCAN	6022	HOCAN	6024	-4712.25	10320	64	-0.46	1.0000
3840	nonanol__fat_gre	HOCAN	6022	HOCAN	6026	-2034.25	10320	64	-0.20	1.0000
3856	nonanol__fat_gre	HOCAN	6024	HOCAN	6026	2678.00	10320	64	0.26	1.0000
3873	nonanol__fat_gre	HOSUN	3040	HOSUN	3042	-1164.75	10320	64	-0.11	1.0000
3874	nonanol__fat_gre	HOSUN	3040	HOSUN	3044	-778.00	10320	64	-0.08	1.0000
3875	nonanol__fat_gre	HOSUN	3040	HOSUN	3046	-268.50	10320	64	-0.03	1.0000
3886	nonanol__fat_gre	HOSUN	3042	HOSUN	3044	386.75	10320	64	0.04	1.0000
3887	nonanol__fat_gre	HOSUN	3042	HOSUN	3046	896.25	10320	64	0.09	1.0000
3899	nonanol__fat_gre	HOSUN	3044	HOSUN	3046	509.50	10320	64	0.05	1.0000
3920	nonanol__fat_gre	HOSUN	4034	HOSUN	4036	-1250.00	10320	64	-0.12	1.0000
3921	nonanol__fat_gre	HOSUN	4034	HOSUN	4038	-876.00	10320	64	-0.08	1.0000
3922	nonanol__fat_gre	HOSUN	4034	HOSUN	4040	-627.25	10320	64	-0.06	1.0000
3929	nonanol__fat_gre	HOSUN	4036	HOSUN	4038	374.00	10320	64	0.04	1.0000
3930	nonanol__fat_gre	HOSUN	4036	HOSUN	4040	622.75	10320	64	0.06	1.0000
3938	nonanol__fat_gre	HOSUN	4038	HOSUN	4040	248.75	10320	64	0.02	1.0000
3951	nonanol__fat_gre	HOSUN	5026	HOSUN	5028	-2580.50	10320	64	-0.25	1.0000
3952	nonanol__fat_gre	HOSUN	5026	HOSUN	5030	-761.75	10320	64	-0.07	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
3953	nonanol__fat_gre	HOSUN	5026	HOSUN	5032	-100.50	10320	64	-0.01	1.0000
3956	nonanol__fat_gre	HOSUN	5028	HOSUN	5030	1818.75	10320	64	0.18	1.0000
3957	nonanol__fat_gre	HOSUN	5028	HOSUN	5032	2480.00	10320	64	0.24	1.0000
3961	nonanol__fat_gre	HOSUN	5030	HOSUN	5032	661.25	10320	64	0.06	1.0000
3967	nonanol__fat_gre	HOSUN	6022	HOSUN	6026	3557.50	10320	64	0.34	1.0000
3968	nonanol__fat_gre	HOSUN	6026	HOSUN	6028	3206.50	10320	64	0.31	1.0000
4013	__decanone__plas	HOSUN	6022	HOSUN	6024	-5987.00	1517.73	64	-3.94	0.0521
4025	__decanone__plas	HOCAN	6022	HOCAN	6028	-5021.25	1517.73	64	-3.31	0.2484
4038	__decanone__plas	HOSUN	6024	HOSUN	6026	4678.75	1517.73	64	3.08	0.3813
4052	__decanone__plas	HOSUN	6024	HOSUN	6028	4126.50	1517.73	64	2.72	0.6428
4093	__decanone__plas	HOCAN	6026	HOCAN	6028	-2711.75	1517.73	64	-1.79	0.9946
4094	__decanone__plas	HOCAN	6024	HOCAN	6028	-2679.50	1517.73	64	-1.77	0.9955
4113	__decanone__plas	HOCAN	6022	HOCAN	6024	-2341.75	1517.73	64	-1.54	0.9995
4115	__decanone__plas	HOCAN	6022	HOCAN	6026	-2309.50	1517.73	64	-1.52	0.9996
4138	__decanone__plas	HOSUN	6022	HOSUN	6028	-1860.50	1517.73	64	-1.23	1.0000
4141	__decanone__plas	HOCAN	3044	HOCAN	3046	1806.00	1517.73	64	1.19	1.0000
4184	__decanone__plas	HOSUN	6022	HOSUN	6026	-1308.25	1517.73	64	-0.86	1.0000
4218	__decanone__plas	HOCAN	4038	HOCAN	4040	1082.25	1517.73	64	0.71	1.0000
4229	__decanone__plas	HOCAN	5026	HOCAN	5028	-955.50	1517.73	64	-0.63	1.0000
4231	__decanone__plas	HOCAN	3040	HOCAN	3046	941.50	1517.73	64	0.62	1.0000
4232	__decanone__plas	HOCAN	3042	HOCAN	3046	934.50	1517.73	64	0.62	1.0000
4235	__decanone__plas	HOCAN	5028	HOCAN	5030	908.00	1517.73	64	0.60	1.0000
4240	__decanone__plas	HOCAN	3040	HOCAN	3044	-864.50	1517.73	64	-0.57	1.0000
4242	__decanone__plas	HOCAN	3042	HOCAN	3044	-871.50	1517.73	64	-0.57	1.0000
4246	__decanone__plas	HOCAN	5028	HOCAN	5032	872.00	1517.73	64	0.57	1.0000
4255	__decanone__plas	HOCAN	3040	HOCAN	3042	7.0000	1517.73	64	0.00	1.0000
4306	__decanone__plas	HOCAN	4034	HOCAN	4036	-220.00	1517.73	64	-0.14	1.0000
4307	__decanone__plas	HOCAN	4034	HOCAN	4038	-567.25	1517.73	64	-0.37	1.0000
4308	__decanone__plas	HOCAN	4034	HOCAN	4040	515.00	1517.73	64	0.34	1.0000
4322	__decanone__plas	HOCAN	4036	HOCAN	4038	-347.25	1517.73	64	-0.23	1.0000
4323	__decanone__plas	HOCAN	4036	HOCAN	4040	735.00	1517.73	64	0.48	1.0000
4356	__decanone__plas	HOCAN	5026	HOCAN	5030	-47.5000	1517.73	64	-0.03	1.0000
4357	__decanone__plas	HOCAN	5026	HOCAN	5032	-83.5000	1517.73	64	-0.06	1.0000
4371	__decanone__plas	HOCAN	5030	HOCAN	5032	-36.0000	1517.73	64	-0.02	1.0000
4394	__decanone__plas	HOCAN	6024	HOCAN	6026	32.2500	1517.73	64	0.02	1.0000
4396	__decanone__plas	HOSUN	3040	HOSUN	3042	-397.75	1517.73	64	-0.26	1.0000
4397	__decanone__plas	HOSUN	3040	HOSUN	3044	-710.00	1517.73	64	-0.47	1.0000
4398	__decanone__plas	HOSUN	3040	HOSUN	3046	-65.7500	1517.73	64	-0.04	1.0000
4407	__decanone__plas	HOSUN	3042	HOSUN	3044	-312.25	1517.73	64	-0.21	1.0000
4408	__decanone__plas	HOSUN	3042	HOSUN	3046	332.00	1517.73	64	0.22	1.0000
4417	__decanone__plas	HOSUN	3044	HOSUN	3046	644.25	1517.73	64	0.42	1.0000
4434	__decanone__plas	HOSUN	4034	HOSUN	4036	-25.7500	1517.73	64	-0.02	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
4435	__decanone__plas	HOSUN	4034	HOSUN	4038	-403.50	1517.73	64	-0.27	1.0000
4436	__decanone__plas	HOSUN	4034	HOSUN	4040	-65.0000	1517.73	64	-0.04	1.0000
4441	__decanone__plas	HOSUN	4036	HOSUN	4038	-377.75	1517.73	64	-0.25	1.0000
4442	__decanone__plas	HOSUN	4036	HOSUN	4040	-39.2500	1517.73	64	-0.03	1.0000
4447	__decanone__plas	HOSUN	4038	HOSUN	4040	338.50	1517.73	64	0.22	1.0000
4457	__decanone__plas	HOSUN	5026	HOSUN	5028	-766.75	1517.73	64	-0.51	1.0000
4458	__decanone__plas	HOSUN	5026	HOSUN	5030	-617.00	1517.73	64	-0.41	1.0000
4459	__decanone__plas	HOSUN	5026	HOSUN	5032	-365.25	1517.73	64	-0.24	1.0000
4460	__decanone__plas	HOSUN	5028	HOSUN	5030	149.75	1517.73	64	0.10	1.0000
4461	__decanone__plas	HOSUN	5028	HOSUN	5032	401.50	1517.73	64	0.26	1.0000
4463	__decanone__plas	HOSUN	5030	HOSUN	5032	251.75	1517.73	64	0.17	1.0000
4464	__decanone__plas	HOSUN	6026	HOSUN	6028	-552.25	1517.73	64	-0.36	1.0000
4487	nonadienal__gera	HOSUN	6024	HOSUN	6026	20710	4081.47	64	5.07	0.0014
4490	nonadienal__gera	HOSUN	6022	HOSUN	6024	-19946	4081.47	64	-4.89	0.0027
4494	nonadienal__gera	HOSUN	6024	HOSUN	6028	17062	4081.47	64	4.18	0.0263
4560	nonadienal__gera	HOCAN	6022	HOCAN	6024	-8553.75	4081.47	64	-2.10	0.9583
4605	nonadienal__gera	HOCAN	6024	HOCAN	6026	6877.75	4081.47	64	1.69	0.9978
4606	nonadienal__gera	HOSUN	5026	HOSUN	5028	-6847.50	4081.47	64	-1.68	0.9979
4640	nonadienal__gera	HOSUN	3040	HOSUN	3044	-5833.25	4081.47	64	-1.43	0.9999
4645	nonadienal__gera	HOCAN	6024	HOCAN	6028	5742.00	4081.47	64	1.41	0.9999
4646	nonadienal__gera	HOSUN	5026	HOSUN	5032	-5717.75	4081.47	64	-1.40	0.9999
4649	nonadienal__gera	HOSUN	3040	HOSUN	3046	-5604.00	4081.47	64	-1.37	0.9999
4673	nonadienal__gera	HOSUN	5026	HOSUN	5030	-4963.50	4081.47	64	-1.22	1.0000
4718	nonadienal__gera	HOCAN	5026	HOCAN	5028	-4015.25	4081.47	64	-0.98	1.0000
4729	nonadienal__gera	HOSUN	3040	HOSUN	3042	-3857.25	4081.47	64	-0.95	1.0000
4739	nonadienal__gera	HOSUN	6026	HOSUN	6028	-3648.25	4081.47	64	-0.89	1.0000
4744	nonadienal__gera	HOCAN	5028	HOCAN	5030	3614.75	4081.47	64	0.89	1.0000
4781	nonadienal__gera	HOCAN	4034	HOCAN	4040	3044.25	4081.47	64	0.75	1.0000
4786	nonadienal__gera	HOSUN	6022	HOSUN	6028	-2884.50	4081.47	64	-0.71	1.0000
4791	nonadienal__gera	HOCAN	6022	HOCAN	6028	-2811.75	4081.47	64	-0.69	1.0000
4796	nonadienal__gera	HOCAN	5028	HOCAN	5032	2766.75	4081.47	64	0.68	1.0000
4824	nonadienal__gera	HOCAN	3040	HOCAN	3042	-277.75	4081.47	64	-0.07	1.0000
4825	nonadienal__gera	HOCAN	3040	HOCAN	3044	-794.25	4081.47	64	-0.19	1.0000
4826	nonadienal__gera	HOCAN	3040	HOCAN	3046	-1983.25	4081.47	64	-0.49	1.0000
4835	nonadienal__gera	HOCAN	3042	HOCAN	3044	-516.50	4081.47	64	-0.13	1.0000
4836	nonadienal__gera	HOCAN	3042	HOCAN	3046	-1705.50	4081.47	64	-0.42	1.0000
4846	nonadienal__gera	HOCAN	3044	HOCAN	3046	-1189.00	4081.47	64	-0.29	1.0000
4866	nonadienal__gera	HOCAN	4034	HOCAN	4036	2012.75	4081.47	64	0.49	1.0000
4867	nonadienal__gera	HOCAN	4034	HOCAN	4038	2148.00	4081.47	64	0.53	1.0000
4878	nonadienal__gera	HOCAN	4036	HOCAN	4038	135.25	4081.47	64	0.03	1.0000
4879	nonadienal__gera	HOCAN	4036	HOCAN	4040	1031.50	4081.47	64	0.25	1.0000
4885	nonadienal__gera	HOCAN	4038	HOCAN	4040	896.25	4081.47	64	0.22	1.0000

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
4896	nonadienal__gera	HOCAN	5026	HOCAN	5030	-400.50	4081.47	64	-0.10	1.0000
4897	nonadienal__gera	HOCAN	5026	HOCAN	5032	-1248.50	4081.47	64	-0.31	1.0000
4909	nonadienal__gera	HOCAN	5030	HOCAN	5032	-848.00	4081.47	64	-0.21	1.0000
4921	nonadienal__gera	HOCAN	6022	HOCAN	6026	-1676.00	4081.47	64	-0.41	1.0000
4926	nonadienal__gera	HOCAN	6026	HOCAN	6028	-1135.75	4081.47	64	-0.28	1.0000
4937	nonadienal__gera	HOSUN	3042	HOSUN	3044	-1976.00	4081.47	64	-0.48	1.0000
4938	nonadienal__gera	HOSUN	3042	HOSUN	3046	-1746.75	4081.47	64	-0.43	1.0000
4942	nonadienal__gera	HOSUN	3044	HOSUN	3046	229.25	4081.47	64	0.06	1.0000
4945	nonadienal__gera	HOSUN	4034	HOSUN	4036	-296.00	4081.47	64	-0.07	1.0000
4946	nonadienal__gera	HOSUN	4034	HOSUN	4038	-1726.50	4081.47	64	-0.42	1.0000
4947	nonadienal__gera	HOSUN	4034	HOSUN	4040	-1970.00	4081.47	64	-0.48	1.0000
4948	nonadienal__gera	HOSUN	4036	HOSUN	4038	-1430.50	4081.47	64	-0.35	1.0000
4949	nonadienal__gera	HOSUN	4036	HOSUN	4040	-1674.00	4081.47	64	-0.41	1.0000
4950	nonadienal__gera	HOSUN	4038	HOSUN	4040	-243.50	4081.47	64	-0.06	1.0000
4951	nonadienal__gera	HOSUN	5028	HOSUN	5030	1884.00	4081.47	64	0.46	1.0000
4952	nonadienal__gera	HOSUN	5028	HOSUN	5032	1129.75	4081.47	64	0.28	1.0000
4954	nonadienal__gera	HOSUN	5030	HOSUN	5032	-754.25	4081.47	64	-0.18	1.0000
4960	nonadienal__gera	HOSUN	6022	HOSUN	6026	763.75	4081.47	64	0.19	1.0000
4983	nonanoic_acid__g	HOSUN	6022	HOSUN	6024	-349997	74169	64	-4.72	0.0047
4988	nonanoic_acid__g	HOSUN	6024	HOSUN	6026	282161	74169	64	3.80	0.0765
5001	nonanoic_acid__g	HOSUN	6024	HOSUN	6028	249505	74169	64	3.36	0.2211
5038	nonanoic_acid__g	HOCAN	6022	HOCAN	6028	-173835	74169	64	-2.34	0.8746
5103	nonanoic_acid__g	HOCAN	3044	HOCAN	3046	110057	74169	64	1.48	0.9997
5114	nonanoic_acid__g	HOSUN	6022	HOSUN	6028	-100491	74169	64	-1.35	1.0000
5122	nonanoic_acid__g	HOCAN	6022	HOCAN	6024	-94949	74169	64	-1.28	1.0000
5130	nonanoic_acid__g	HOCAN	6022	HOCAN	6026	-91817	74169	64	-1.24	1.0000
5140	nonanoic_acid__g	HOCAN	3040	HOCAN	3044	-83981	74169	64	-1.13	1.0000
5144	nonanoic_acid__g	HOCAN	6026	HOCAN	6028	-82018	74169	64	-1.11	1.0000
5151	nonanoic_acid__g	HOCAN	6024	HOCAN	6028	-78886	74169	64	-1.06	1.0000
5167	nonanoic_acid__g	HOCAN	5026	HOCAN	5028	-68761	74169	64	-0.93	1.0000
5170	nonanoic_acid__g	HOSUN	6022	HOSUN	6026	-67835	74169	64	-0.91	1.0000
5177	nonanoic_acid__g	HOCAN	3042	HOCAN	3044	-62890	74169	64	-0.85	1.0000
5210	nonanoic_acid__g	HOCAN	5028	HOCAN	5032	48204	74169	64	0.65	1.0000
5215	nonanoic_acid__g	HOCAN	3042	HOCAN	3046	47167	74169	64	0.64	1.0000
5223	nonanoic_acid__g	HOCAN	4034	HOCAN	4036	-43450	74169	64	-0.59	1.0000
5230	nonanoic_acid__g	HOSUN	4034	HOSUN	4040	-42546	74169	64	-0.57	1.0000
5237	nonanoic_acid__g	HOCAN	3040	HOCAN	3042	-21091	74169	64	-0.28	1.0000
5238	nonanoic_acid__g	HOCAN	3040	HOCAN	3046	26075	74169	64	0.35	1.0000
5294	nonanoic_acid__g	HOCAN	4034	HOCAN	4038	-20456	74169	64	-0.28	1.0000
5295	nonanoic_acid__g	HOCAN	4034	HOCAN	4040	-18655	74169	64	-0.25	1.0000
5307	nonanoic_acid__g	HOCAN	4036	HOCAN	4038	22994	74169	64	0.31	1.0000
5308	nonanoic_acid__g	HOCAN	4036	HOCAN	4040	24795	74169	64	0.33	1.0000

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
5323	nonanoic_acid__g	HOCAN	4038	HOCAN	4040	1800.75	74169	64	0.02	1.0000
5352	nonanoic_acid__g	HOCAN	5026	HOCAN	5030	-38430	74169	64	-0.52	1.0000
5353	nonanoic_acid__g	HOCAN	5026	HOCAN	5032	-20557	74169	64	-0.28	1.0000
5366	nonanoic_acid__g	HOCAN	5028	HOCAN	5030	30331	74169	64	0.41	1.0000
5370	nonanoic_acid__g	HOCAN	5030	HOCAN	5032	17873	74169	64	0.24	1.0000
5390	nonanoic_acid__g	HOCAN	6024	HOCAN	6026	3132.25	74169	64	0.04	1.0000
5393	nonanoic_acid__g	HOSUN	3040	HOSUN	3042	-23791	74169	64	-0.32	1.0000
5394	nonanoic_acid__g	HOSUN	3040	HOSUN	3044	-21996	74169	64	-0.30	1.0000
5395	nonanoic_acid__g	HOSUN	3040	HOSUN	3046	-3219.00	74169	64	-0.04	1.0000
5402	nonanoic_acid__g	HOSUN	3042	HOSUN	3044	1795.50	74169	64	0.02	1.0000
5403	nonanoic_acid__g	HOSUN	3042	HOSUN	3046	20572	74169	64	0.28	1.0000
5412	nonanoic_acid__g	HOSUN	3044	HOSUN	3046	18776	74169	64	0.25	1.0000
5428	nonanoic_acid__g	HOSUN	4034	HOSUN	4036	-27537	74169	64	-0.37	1.0000
5429	nonanoic_acid__g	HOSUN	4034	HOSUN	4038	-12620	74169	64	-0.17	1.0000
5432	nonanoic_acid__g	HOSUN	4036	HOSUN	4038	14917	74169	64	0.20	1.0000
5433	nonanoic_acid__g	HOSUN	4036	HOSUN	4040	-15010	74169	64	-0.20	1.0000
5438	nonanoic_acid__g	HOSUN	4038	HOSUN	4040	-29926	74169	64	-0.40	1.0000
5447	nonanoic_acid__g	HOSUN	5026	HOSUN	5028	-32761	74169	64	-0.44	1.0000
5448	nonanoic_acid__g	HOSUN	5026	HOSUN	5030	-11922	74169	64	-0.16	1.0000
5449	nonanoic_acid__g	HOSUN	5026	HOSUN	5032	-20063	74169	64	-0.27	1.0000
5450	nonanoic_acid__g	HOSUN	5028	HOSUN	5030	20839	74169	64	0.28	1.0000
5451	nonanoic_acid__g	HOSUN	5028	HOSUN	5032	12698	74169	64	0.17	1.0000
5453	nonanoic_acid__g	HOSUN	5030	HOSUN	5032	-8141.25	74169	64	-0.11	1.0000
5456	nonanoic_acid__g	HOSUN	6026	HOSUN	6028	-32656	74169	64	-0.44	1.0000
5478	undecanal__cocon	HOSUN	6022	HOSUN	6024	-240914	53349	64	-4.52	0.0092
5487	undecanal__cocon	HOSUN	6024	HOSUN	6026	199716	53349	64	3.74	0.0897
5500	undecanal__cocon	HOSUN	6024	HOSUN	6028	180068	53349	64	3.38	0.2158
5510	undecanal__cocon	HOCAN	6022	HOCAN	6028	-147380	53349	64	-2.76	0.6108
5532	undecanal__cocon	HOCAN	6024	HOCAN	6028	-101223	53349	64	-1.90	0.9875
5558	undecanal__cocon	HOCAN	6026	HOCAN	6028	-86766	53349	64	-1.63	0.9987
5575	undecanal__cocon	HOCAN	3044	HOCAN	3046	77811	53349	64	1.46	0.9998
5617	undecanal__cocon	HOSUN	6022	HOSUN	6028	-60846	53349	64	-1.14	1.0000
5619	undecanal__cocon	HOCAN	6022	HOCAN	6026	-60614	53349	64	-1.14	1.0000
5624	undecanal__cocon	HOCAN	3042	HOCAN	3044	-58653	53349	64	-1.10	1.0000
5631	undecanal__cocon	HOCAN	3040	HOCAN	3044	-56314	53349	64	-1.06	1.0000
5642	undecanal__cocon	HOCAN	5026	HOCAN	5028	-51039	53349	64	-0.96	1.0000
5655	undecanal__cocon	HOCAN	6022	HOCAN	6024	-46157	53349	64	-0.87	1.0000
5665	undecanal__cocon	HOCAN	5028	HOCAN	5032	41870	53349	64	0.78	1.0000
5668	undecanal__cocon	HOSUN	6022	HOSUN	6026	-41197	53349	64	-0.77	1.0000
5709	undecanal__cocon	HOCAN	4034	HOCAN	4036	-29563	53349	64	-0.55	1.0000
5712	undecanal__cocon	HOCAN	3040	HOCAN	3042	2339.00	53349	64	0.04	1.0000
5713	undecanal__cocon	HOCAN	3040	HOCAN	3046	21497	53349	64	0.40	1.0000

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
5732	undecanal__cocon	HOCAN	3042	HOCAN	3046	19158	53349	64	0.36	1.0000
5775	undecanal__cocon	HOCAN	4034	HOCAN	4038	-24303	53349	64	-0.46	1.0000
5776	undecanal__cocon	HOCAN	4034	HOCAN	4040	-7117.00	53349	64	-0.13	1.0000
5790	undecanal__cocon	HOCAN	4036	HOCAN	4038	5259.75	53349	64	0.10	1.0000
5791	undecanal__cocon	HOCAN	4036	HOCAN	4040	22446	53349	64	0.42	1.0000
5807	undecanal__cocon	HOCAN	4038	HOCAN	4040	17186	53349	64	0.32	1.0000
5837	undecanal__cocon	HOCAN	5026	HOCAN	5030	-26621	53349	64	-0.50	1.0000
5838	undecanal__cocon	HOCAN	5026	HOCAN	5032	-9168.25	53349	64	-0.17	1.0000
5852	undecanal__cocon	HOCAN	5028	HOCAN	5030	24418	53349	64	0.46	1.0000
5856	undecanal__cocon	HOCAN	5030	HOCAN	5032	17453	53349	64	0.33	1.0000
5878	undecanal__cocon	HOCAN	6024	HOCAN	6026	-14457	53349	64	-0.27	1.0000
5882	undecanal__cocon	HOSUN	3040	HOSUN	3042	-7495.25	53349	64	-0.14	1.0000
5883	undecanal__cocon	HOSUN	3040	HOSUN	3044	-18613	53349	64	-0.35	1.0000
5884	undecanal__cocon	HOSUN	3040	HOSUN	3046	5888.75	53349	64	0.11	1.0000
5892	undecanal__cocon	HOSUN	3042	HOSUN	3044	-11117	53349	64	-0.21	1.0000
5893	undecanal__cocon	HOSUN	3042	HOSUN	3046	13384	53349	64	0.25	1.0000
5903	undecanal__cocon	HOSUN	3044	HOSUN	3046	24501	53349	64	0.46	1.0000
5919	undecanal__cocon	HOSUN	4034	HOSUN	4036	-14744	53349	64	-0.28	1.0000
5920	undecanal__cocon	HOSUN	4034	HOSUN	4038	-13774	53349	64	-0.26	1.0000
5921	undecanal__cocon	HOSUN	4034	HOSUN	4040	-25575	53349	64	-0.48	1.0000
5924	undecanal__cocon	HOSUN	4036	HOSUN	4038	970.25	53349	64	0.02	1.0000
5925	undecanal__cocon	HOSUN	4036	HOSUN	4040	-10831	53349	64	-0.20	1.0000
5931	undecanal__cocon	HOSUN	4038	HOSUN	4040	-11801	53349	64	-0.22	1.0000
5942	undecanal__cocon	HOSUN	5026	HOSUN	5028	-18915	53349	64	-0.35	1.0000
5943	undecanal__cocon	HOSUN	5026	HOSUN	5030	-10710	53349	64	-0.20	1.0000
5944	undecanal__cocon	HOSUN	5026	HOSUN	5032	-2165.25	53349	64	-0.04	1.0000
5946	undecanal__cocon	HOSUN	5028	HOSUN	5030	8204.25	53349	64	0.15	1.0000
5947	undecanal__cocon	HOSUN	5028	HOSUN	5032	16749	53349	64	0.31	1.0000
5949	undecanal__cocon	HOSUN	5030	HOSUN	5032	8545.00	53349	64	0.16	1.0000
5952	undecanal__cocon	HOSUN	6026	HOSUN	6028	-19649	53349	64	-0.37	1.0000
5961	__decenal__acrid	HOSUN	6024	HOSUN	6026	48292	14068	64	3.43	0.1902
5970	__decenal__acrid	HOSUN	6022	HOSUN	6024	-43676	14068	64	-3.10	0.3670
5978	__decenal__acrid	HOSUN	6024	HOSUN	6028	37186	14068	64	2.64	0.6967
5990	__decenal__acrid	HOCAN	3042	HOCAN	3046	-25280	14068	64	-1.80	0.9941
5991	__decenal__acrid	HOSUN	3040	HOSUN	3042	-24847	14068	64	-1.77	0.9954
5994	__decenal__acrid	HOSUN	3042	HOSUN	3046	24331	14068	64	1.73	0.9967
6002	__decenal__acrid	HOSUN	3042	HOSUN	3044	23390	14068	64	1.66	0.9982
6011	__decenal__acrid	HOCAN	5028	HOCAN	5030	22808	14068	64	1.62	0.9988
6021	__decenal__acrid	HOCAN	5030	HOCAN	5032	-21810	14068	64	-1.55	0.9994
6033	__decenal__acrid	HOSUN	4034	HOSUN	4036	20298	14068	64	1.44	0.9998
6050	__decenal__acrid	HOCAN	3044	HOCAN	3046	-18706	14068	64	-1.33	1.0000
6051	__decenal__acrid	HOCAN	5026	HOCAN	5028	-18591	14068	64	-1.32	1.0000

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
6059	__decenal__acrid	HOCAN	5026	HOCAN	5032	-17593	14068	64	-1.25	1.0000
6064	__decenal__acrid	HOSUN	4034	HOSUN	4038	17300	14068	64	1.23	1.0000
6065	__decenal__acrid	HOCAN	3040	HOCAN	3046	-17138	14068	64	-1.22	1.0000
6107	__decenal__acrid	HOSUN	4034	HOSUN	4040	12457	14068	64	0.89	1.0000
6126	__decenal__acrid	HOSUN	6026	HOSUN	6028	-11106	14068	64	-0.79	1.0000
6143	__decenal__acrid	HOCAN	4036	HOCAN	4038	9958.75	14068	64	0.71	1.0000
6145	__decenal__acrid	HOCAN	4034	HOCAN	4038	9919.50	14068	64	0.71	1.0000
6178	__decenal__acrid	HOCAN	6022	HOCAN	6026	8332.25	14068	64	0.59	1.0000
6182	__decenal__acrid	HOCAN	3040	HOCAN	3042	8142.75	14068	64	0.58	1.0000
6191	__decenal__acrid	HOSUN	4036	HOSUN	4040	-7840.50	14068	64	-0.56	1.0000
6192	__decenal__acrid	HOCAN	3040	HOCAN	3044	1568.75	14068	64	0.11	1.0000
6209	__decenal__acrid	HOCAN	3042	HOCAN	3044	-6574.00	14068	64	-0.47	1.0000
6250	__decenal__acrid	HOCAN	4034	HOCAN	4036	-39.2500	14068	64	-0.00	1.0000
6251	__decenal__acrid	HOCAN	4034	HOCAN	4040	6281.00	14068	64	0.45	1.0000
6264	__decenal__acrid	HOCAN	4036	HOCAN	4040	6320.25	14068	64	0.45	1.0000
6277	__decenal__acrid	HOCAN	4038	HOCAN	4040	-3638.50	14068	64	-0.26	1.0000
6310	__decenal__acrid	HOCAN	5026	HOCAN	5030	4217.25	14068	64	0.30	1.0000
6327	__decenal__acrid	HOCAN	5028	HOCAN	5032	998.00	14068	64	0.07	1.0000
6345	__decenal__acrid	HOCAN	6022	HOCAN	6024	1781.50	14068	64	0.13	1.0000
6346	__decenal__acrid	HOCAN	6022	HOCAN	6028	6360.00	14068	64	0.45	1.0000
6351	__decenal__acrid	HOCAN	6024	HOCAN	6026	6550.75	14068	64	0.47	1.0000
6352	__decenal__acrid	HOCAN	6024	HOCAN	6028	4578.50	14068	64	0.33	1.0000
6360	__decenal__acrid	HOCAN	6026	HOCAN	6028	-1972.25	14068	64	-0.14	1.0000
6386	__decenal__acrid	HOSUN	3040	HOSUN	3044	-1456.25	14068	64	-0.10	1.0000
6387	__decenal__acrid	HOSUN	3040	HOSUN	3046	-515.50	14068	64	-0.04	1.0000
6395	__decenal__acrid	HOSUN	3044	HOSUN	3046	940.75	14068	64	0.07	1.0000
6412	__decenal__acrid	HOSUN	4036	HOSUN	4038	-2998.25	14068	64	-0.21	1.0000
6419	__decenal__acrid	HOSUN	4038	HOSUN	4040	-4842.25	14068	64	-0.34	1.0000
6432	__decenal__acrid	HOSUN	5026	HOSUN	5028	2696.50	14068	64	0.19	1.0000
6433	__decenal__acrid	HOSUN	5026	HOSUN	5030	6928.75	14068	64	0.49	1.0000
6434	__decenal__acrid	HOSUN	5026	HOSUN	5032	3189.50	14068	64	0.23	1.0000
6438	__decenal__acrid	HOSUN	5028	HOSUN	5030	4232.25	14068	64	0.30	1.0000
6439	__decenal__acrid	HOSUN	5028	HOSUN	5032	493.00	14068	64	0.04	1.0000
6442	__decenal__acrid	HOSUN	5030	HOSUN	5032	-3739.25	14068	64	-0.27	1.0000
6447	__decenal__acrid	HOSUN	6022	HOSUN	6026	4615.75	14068	64	0.33	1.0000
6448	__decenal__acrid	HOSUN	6022	HOSUN	6028	-6490.00	14068	64	-0.46	1.0000
6514	Paint_Aroma	HOCAN	6024	HOCAN	6028	-4.5167	1.5452	64	-2.92	0.4925
6539	Paint_Aroma	HOSUN	3044	HOSUN	3046	3.8264	1.5452	64	2.48	0.8049
6550	Paint_Aroma	HOCAN	6022	HOCAN	6028	-3.5708	1.5452	64	-2.31	0.8892
6559	Paint_Aroma	HOCAN	6024	HOCAN	6026	-3.3274	1.5452	64	-2.15	0.9441
6573	Paint_Aroma	HOSUN	3042	HOSUN	3044	-2.9750	1.5452	64	-1.93	0.9849
6584	Paint_Aroma	HOCAN	4038	HOCAN	4040	-2.6632	1.5452	64	-1.72	0.9968

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
6588	Paint_Aroma	HOSUN	3040	HOSUN	3044	-2.4969	1.5452	64	-1.62	0.9989
6591	Paint_Aroma	HOCAN	6022	HOCAN	6026	-2.3816	1.5452	64	-1.54	0.9995
6604	Paint_Aroma	HOSUN	4038	HOSUN	4040	-2.0538	1.5452	64	-1.33	1.0000
6615	Paint_Aroma	HOCAN	4036	HOCAN	4040	-1.8382	1.5452	64	-1.19	1.0000
6657	Paint_Aroma	HOCAN	4034	HOCAN	4040	-1.3403	1.5452	64	-0.87	1.0000
6658	Paint_Aroma	HOSUN	3040	HOSUN	3046	1.3295	1.5452	64	0.86	1.0000
6659	Paint_Aroma	HOCAN	4034	HOCAN	4038	1.3229	1.5452	64	0.86	1.0000
6672	Paint_Aroma	HOSUN	6022	HOSUN	6026	1.2372	1.5452	64	0.80	1.0000
6677	Paint_Aroma	HOCAN	6026	HOCAN	6028	-1.1892	1.5452	64	-0.77	1.0000
6685	Paint_Aroma	HOSUN	4036	HOSUN	4040	-1.1580	1.5452	64	-0.75	1.0000
6690	Paint_Aroma	HOSUN	6022	HOSUN	6024	1.0972	1.5452	64	0.71	1.0000
6693	Paint_Aroma	HOSUN	4034	HOSUN	4038	1.0608	1.5452	64	0.69	1.0000
6704	Paint_Aroma	HOSUN	4034	HOSUN	4040	-0.9931	1.5452	64	-0.64	1.0000
6712	Paint_Aroma	HOCAN	6022	HOCAN	6024	0.9458	1.5452	64	0.61	1.0000
6726	Paint_Aroma	HOSUN	4036	HOSUN	4038	0.8958	1.5452	64	0.58	1.0000
6734	Paint_Aroma	HOSUN	3042	HOSUN	3046	0.8514	1.5452	64	0.55	1.0000
6737	Paint_Aroma	HOCAN	3040	HOCAN	3042	0.5337	1.5452	64	0.35	1.0000
6738	Paint_Aroma	HOCAN	3040	HOCAN	3044	0.1851	1.5452	64	0.12	1.0000
6739	Paint_Aroma	HOCAN	3040	HOCAN	3046	0.6017	1.5452	64	0.39	1.0000
6756	Paint_Aroma	HOCAN	3042	HOCAN	3044	-0.3486	1.5452	64	-0.23	1.0000
6757	Paint_Aroma	HOCAN	3042	HOCAN	3046	0.06806	1.5452	64	0.04	1.0000
6774	Paint_Aroma	HOCAN	3044	HOCAN	3046	0.4167	1.5452	64	0.27	1.0000
6807	Paint_Aroma	HOCAN	4034	HOCAN	4036	0.4979	1.5452	64	0.32	1.0000
6819	Paint_Aroma	HOCAN	4036	HOCAN	4038	0.8250	1.5452	64	0.53	1.0000
6846	Paint_Aroma	HOCAN	5026	HOCAN	5028	0.2483	1.5452	64	0.16	1.0000
6847	Paint_Aroma	HOCAN	5026	HOCAN	5030	-0.5528	1.5452	64	-0.36	1.0000
6848	Paint_Aroma	HOCAN	5026	HOCAN	5032	0.08333	1.5452	64	0.05	1.0000
6859	Paint_Aroma	HOCAN	5028	HOCAN	5030	-0.8010	1.5452	64	-0.52	1.0000
6860	Paint_Aroma	HOCAN	5028	HOCAN	5032	-0.1649	1.5452	64	-0.11	1.0000
6872	Paint_Aroma	HOCAN	5030	HOCAN	5032	0.6361	1.5452	64	0.41	1.0000
6892	Paint_Aroma	HOSUN	3040	HOSUN	3042	0.4781	1.5452	64	0.31	1.0000
6913	Paint_Aroma	HOSUN	4034	HOSUN	4036	0.1649	1.5452	64	0.11	1.0000
6928	Paint_Aroma	HOSUN	5026	HOSUN	5028	0.2709	1.5452	64	0.18	1.0000
6929	Paint_Aroma	HOSUN	5026	HOSUN	5030	0.4167	1.5452	64	0.27	1.0000
6930	Paint_Aroma	HOSUN	5026	HOSUN	5032	0.1250	1.5452	64	0.08	1.0000
6933	Paint_Aroma	HOSUN	5028	HOSUN	5030	0.1457	1.5452	64	0.09	1.0000
6934	Paint_Aroma	HOSUN	5028	HOSUN	5032	-0.1459	1.5452	64	-0.09	1.0000
6937	Paint_Aroma	HOSUN	5030	HOSUN	5032	-0.2917	1.5452	64	-0.19	1.0000
6941	Paint_Aroma	HOSUN	6022	HOSUN	6028	0.5677	1.5452	64	0.37	1.0000
6942	Paint_Aroma	HOSUN	6024	HOSUN	6026	0.1399	1.5452	64	0.09	1.0000
6943	Paint_Aroma	HOSUN	6024	HOSUN	6028	-0.5295	1.5452	64	-0.34	1.0000
6944	Paint_Aroma	HOSUN	6026	HOSUN	6028	-0.6694	1.5452	64	-0.43	1.0000
6973	Green_Aroma	HOCAN	6026	HOCAN	6028	-2.2170	0.7411	64	-2.99	0.4436
6976	Green_Aroma	HOSUN	3044	HOSUN	3046	2.0444	0.7411	64	2.76	0.6137
6977	Green_Aroma	HOCAN	6022	HOCAN	6028	-2.0080	0.7411	64	-2.71	0.6496
6978	Green_Aroma	HOSUN	3042	HOSUN	3044	-1.9736	0.7411	64	-2.66	0.6828
6979	Green_Aroma	HOCAN	6024	HOCAN	6028	-1.9170	0.7411	64	-2.59	0.7355
7013	Green_Aroma	HOSUN	3040	HOSUN	3044	-1.1455	0.7411	64	-1.55	0.9995
7032	Green_Aroma	HOCAN	5026	HOCAN	5032	1.0174	0.7411	64	1.37	0.9999
7044	Green_Aroma	HOSUN	5026	HOSUN	5028	0.9375	0.7411	64	1.27	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
7051	Green_Aroma	HOSUN	3040	HOSUN	3046	0.8990	0.7411	64	1.21	1.0000
7059	Green_Aroma	HOSUN	5026	HOSUN	5032	0.8646	0.7411	64	1.17	1.0000
7063	Green_Aroma	HOSUN	3040	HOSUN	3042	0.8281	0.7411	64	1.12	1.0000
7077	Green_Aroma	HOCAN	4038	HOCAN	4040	-0.7691	0.7411	64	-1.04	1.0000
7092	Green_Aroma	HOCAN	5028	HOCAN	5032	0.7257	0.7411	64	0.98	1.0000
7095	Green_Aroma	HOCAN	4036	HOCAN	4040	-0.7208	0.7411	64	-0.97	1.0000
7106	Green_Aroma	HOSUN	6024	HOSUN	6028	-0.6972	0.7411	64	-0.94	1.0000
7132	Green_Aroma	HOCAN	4034	HOCAN	4040	-0.6146	0.7411	64	-0.83	1.0000
7134	Green_Aroma	HOSUN	6022	HOSUN	6028	-0.6139	0.7411	64	-0.83	1.0000
7141	Green_Aroma	HOCAN	5030	HOCAN	5032	0.6031	0.7411	64	0.81	1.0000
7166	Green_Aroma	HOSUN	5028	HOSUN	5030	-0.5309	0.7411	64	-0.72	1.0000
7179	Green_Aroma	HOSUN	4034	HOSUN	4038	0.4878	0.7411	64	0.66	1.0000
7191	Green_Aroma	HOSUN	5030	HOSUN	5032	0.4580	0.7411	64	0.62	1.0000
7203	Green_Aroma	HOCAN	3040	HOCAN	3044	0.4243	0.7411	64	0.57	1.0000
7210	Green_Aroma	HOCAN	5026	HOCAN	5030	0.4142	0.7411	64	0.56	1.0000
7213	Green_Aroma	HOCAN	3040	HOCAN	3042	0.2604	0.7411	64	0.35	1.0000
7214	Green_Aroma	HOCAN	3040	HOCAN	3046	0.07292	0.7411	64	0.10	1.0000
7230	Green_Aroma	HOCAN	3042	HOCAN	3044	0.1639	0.7411	64	0.22	1.0000
7231	Green_Aroma	HOCAN	3042	HOCAN	3046	-0.1875	0.7411	64	-0.25	1.0000
7247	Green_Aroma	HOCAN	3044	HOCAN	3046	-0.3514	0.7411	64	-0.47	1.0000
7281	Green_Aroma	HOCAN	4034	HOCAN	4036	0.1063	0.7411	64	0.14	1.0000
7282	Green_Aroma	HOCAN	4034	HOCAN	4038	0.1545	0.7411	64	0.21	1.0000
7297	Green_Aroma	HOCAN	4036	HOCAN	4038	0.04826	0.7411	64	0.07	1.0000
7335	Green_Aroma	HOCAN	5026	HOCAN	5028	0.2917	0.7411	64	0.39	1.0000
7343	Green_Aroma	HOCAN	5028	HOCAN	5030	0.1226	0.7411	64	0.17	1.0000
7372	Green_Aroma	HOCAN	6022	HOCAN	6024	-0.09097	0.7411	64	-0.12	1.0000
7373	Green_Aroma	HOCAN	6022	HOCAN	6026	0.2090	0.7411	64	0.28	1.0000
7376	Green_Aroma	HOCAN	6024	HOCAN	6026	0.3000	0.7411	64	0.40	1.0000
7386	Green_Aroma	HOSUN	3042	HOSUN	3046	0.07083	0.7411	64	0.10	1.0000
7401	Green_Aroma	HOSUN	4034	HOSUN	4036	0.2483	0.7411	64	0.33	1.0000
7402	Green_Aroma	HOSUN	4034	HOSUN	4040	0.1094	0.7411	64	0.15	1.0000
7408	Green_Aroma	HOSUN	4036	HOSUN	4038	0.2396	0.7411	64	0.32	1.0000
7409	Green_Aroma	HOSUN	4036	HOSUN	4040	-0.1389	0.7411	64	-0.19	1.0000
7415	Green_Aroma	HOSUN	4038	HOSUN	4040	-0.3785	0.7411	64	-0.51	1.0000
7427	Green_Aroma	HOSUN	5026	HOSUN	5030	0.4066	0.7411	64	0.55	1.0000
7430	Green_Aroma	HOSUN	5028	HOSUN	5032	-0.07292	0.7411	64	-0.10	1.0000
7437	Green_Aroma	HOSUN	6022	HOSUN	6024	0.08333	0.7411	64	0.11	1.0000
7438	Green_Aroma	HOSUN	6022	HOSUN	6026	-0.2823	0.7411	64	-0.38	1.0000
7439	Green_Aroma	HOSUN	6024	HOSUN	6026	-0.3656	0.7411	64	-0.49	1.0000
7440	Green_Aroma	HOSUN	6026	HOSUN	6028	-0.3316	0.7411	64	-0.45	1.0000
7451	Pine_Aroma	HOCAN	6026	HOCAN	6028	-1.2049	0.2957	64	-4.07	0.0360
7458	Pine_Aroma	HOCAN	6022	HOCAN	6028	-1.1076	0.2957	64	-3.75	0.0893
7462	Pine_Aroma	HOCAN	6024	HOCAN	6028	-1.0260	0.2957	64	-3.47	0.1751
7472	Pine_Aroma	HOSUN	6022	HOSUN	6028	0.7948	0.2957	64	2.69	0.6654
7475	Pine_Aroma	HOSUN	6022	HOSUN	6024	0.7528	0.2957	64	2.55	0.7625
7480	Pine_Aroma	HOSUN	3042	HOSUN	3044	-0.6944	0.2957	64	-2.35	0.8725
7496	Pine_Aroma	HOSUN	3040	HOSUN	3042	0.6205	0.2957	64	2.10	0.9578
7497	Pine_Aroma	HOSUN	6022	HOSUN	6026	0.6149	0.2957	64	2.08	0.9618
7527	Pine_Aroma	HOSUN	3044	HOSUN	3046	0.4792	0.2957	64	1.62	0.9988
7542	Pine_Aroma	HOCAN	5028	HOCAN	5032	0.4427	0.2957	64	1.50	0.9997

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
7557	Pine_Aroma	HOSUN	3040	HOSUN	3046	0.4052	0.2957	64	1.37	0.9999
7574	Pine_Aroma	HOSUN	5030	HOSUN	5032	0.3819	0.2957	64	1.29	1.0000
7578	Pine_Aroma	HOSUN	4034	HOSUN	4040	-0.3785	0.2957	64	-1.28	1.0000
7590	Pine_Aroma	HOSUN	4034	HOSUN	4036	-0.3524	0.2957	64	-1.19	1.0000
7604	Pine_Aroma	HOCAN	5028	HOCAN	5030	0.3361	0.2957	64	1.14	1.0000
7611	Pine_Aroma	HOCAN	5026	HOCAN	5032	0.3212	0.2957	64	1.09	1.0000
7620	Pine_Aroma	HOSUN	5028	HOSUN	5030	-0.3004	0.2957	64	-1.02	1.0000
7621	Pine_Aroma	HOSUN	5026	HOSUN	5030	-0.2969	0.2957	64	-1.00	1.0000
7645	Pine_Aroma	HOCAN	4034	HOCAN	4038	0.2674	0.2957	64	0.90	1.0000
7646	Pine_Aroma	HOCAN	4038	HOCAN	4040	-0.2674	0.2957	64	-0.90	1.0000
7697	Pine_Aroma	HOSUN	3042	HOSUN	3046	-0.2153	0.2957	64	-0.73	1.0000
7698	Pine_Aroma	HOCAN	5026	HOCAN	5030	0.2146	0.2957	64	0.73	1.0000
7720	Pine_Aroma	HOSUN	4034	HOSUN	4038	-0.1944	0.2957	64	-0.66	1.0000
7727	Pine_Aroma	HOSUN	4038	HOSUN	4040	-0.1840	0.2957	64	-0.62	1.0000
7730	Pine_Aroma	HOSUN	6026	HOSUN	6028	0.1799	0.2957	64	0.61	1.0000
7733	Pine_Aroma	HOCAN	6024	HOCAN	6026	0.1788	0.2957	64	0.60	1.0000
7752	Pine_Aroma	HOCAN	3040	HOCAN	3042	-0.01840	0.2957	64	-0.06	1.0000
7753	Pine_Aroma	HOCAN	3040	HOCAN	3044	0.06493	0.2957	64	0.22	1.0000
7754	Pine_Aroma	HOCAN	3040	HOCAN	3046	0.07049	0.2957	64	0.24	1.0000
7768	Pine_Aroma	HOCAN	3042	HOCAN	3044	0.08333	0.2957	64	0.28	1.0000
7769	Pine_Aroma	HOCAN	3042	HOCAN	3046	0.08889	0.2957	64	0.30	1.0000
7785	Pine_Aroma	HOCAN	3044	HOCAN	3046	0.005556	0.2957	64	0.02	1.0000
7813	Pine_Aroma	HOCAN	4034	HOCAN	4036	0.1156	0.2957	64	0.39	1.0000
7814	Pine_Aroma	HOCAN	4034	HOCAN	4040	-111E-18	0.2957	64	-0.00	1.0000
7822	Pine_Aroma	HOCAN	4036	HOCAN	4038	0.1517	0.2957	64	0.51	1.0000
7823	Pine_Aroma	HOCAN	4036	HOCAN	4040	-0.1156	0.2957	64	-0.39	1.0000
7854	Pine_Aroma	HOCAN	5026	HOCAN	5028	-0.1215	0.2957	64	-0.41	1.0000
7861	Pine_Aroma	HOCAN	5030	HOCAN	5032	0.1066	0.2957	64	0.36	1.0000
7879	Pine_Aroma	HOCAN	6022	HOCAN	6024	-0.08160	0.2957	64	-0.28	1.0000
7880	Pine_Aroma	HOCAN	6022	HOCAN	6026	0.09722	0.2957	64	0.33	1.0000
7899	Pine_Aroma	HOSUN	3040	HOSUN	3044	-0.07396	0.2957	64	-0.25	1.0000
7918	Pine_Aroma	HOSUN	4036	HOSUN	4038	0.1580	0.2957	64	0.53	1.0000
7919	Pine_Aroma	HOSUN	4036	HOSUN	4040	-0.02604	0.2957	64	-0.09	1.0000
7925	Pine_Aroma	HOSUN	5026	HOSUN	5028	0.003574	0.2957	64	0.01	1.0000
7926	Pine_Aroma	HOSUN	5026	HOSUN	5032	0.08507	0.2957	64	0.29	1.0000
7929	Pine_Aroma	HOSUN	5028	HOSUN	5032	0.08150	0.2957	64	0.28	1.0000
7935	Pine_Aroma	HOSUN	6024	HOSUN	6026	-0.1378	0.2957	64	-0.47	1.0000
7936	Pine_Aroma	HOSUN	6024	HOSUN	6028	0.04201	0.2957	64	0.14	1.0000
7957	Fish_Aroma	HOCAN	4034	HOCAN	4036	-0.9625	0.5680	64	-1.69	0.9976
7958	Fish_Aroma	HOCAN	3044	HOCAN	3046	0.9528	0.5680	64	1.68	0.9979
7983	Fish_Aroma	HOCAN	3042	HOCAN	3046	0.8125	0.5680	64	1.43	0.9999
7996	Fish_Aroma	HOSUN	3040	HOSUN	3046	0.7573	0.5680	64	1.33	1.0000
8005	Fish_Aroma	HOSUN	4034	HOSUN	4040	-0.7240	0.5680	64	-1.27	1.0000
8009	Fish_Aroma	HOSUN	4036	HOSUN	4040	-0.7101	0.5680	64	-1.25	1.0000
8018	Fish_Aroma	HOCAN	4036	HOCAN	4040	0.6812	0.5680	64	1.20	1.0000
8020	Fish_Aroma	HOCAN	6022	HOCAN	6028	-0.6750	0.5680	64	-1.19	1.0000
8032	Fish_Aroma	HOCAN	3040	HOCAN	3044	-0.6264	0.5680	64	-1.10	1.0000
8056	Fish_Aroma	HOCAN	5028	HOCAN	5030	-0.5642	0.5680	64	-0.99	1.0000
8068	Fish_Aroma	HOSUN	3040	HOSUN	3044	0.5420	0.5680	64	0.95	1.0000
8073	Fish_Aroma	HOCAN	4036	HOCAN	4038	0.5354	0.5680	64	0.94	1.0000

Obs	dep var	oil	temp time	_oil	_temp time	Estimate	StdErr	df	t Value	Adjp
8080	Fish_Aroma	HOSUN	3042	HOSUN	3046	0.5153	0.5680	64	0.91	1.0000
8090	Fish_Aroma	HOSUN	6024	HOSUN	6026	-0.4983	0.5680	64	-0.88	1.0000
8095	Fish_Aroma	HOCAN	3040	HOCAN	3042	-0.4861	0.5680	64	-0.86	1.0000
8104	Fish_Aroma	HOSUN	4038	HOSUN	4040	-0.4688	0.5680	64	-0.83	1.0000
8115	Fish_Aroma	HOSUN	6024	HOSUN	6028	-0.4455	0.5680	64	-0.78	1.0000
8126	Fish_Aroma	HOCAN	5026	HOCAN	5030	-0.4288	0.5680	64	-0.75	1.0000
8127	Fish_Aroma	HOCAN	4034	HOCAN	4038	-0.4271	0.5680	64	-0.75	1.0000
8132	Fish_Aroma	HOCAN	6022	HOCAN	6026	-0.4156	0.5680	64	-0.73	1.0000
8136	Fish_Aroma	HOCAN	5030	HOCAN	5032	0.4028	0.5680	64	0.71	1.0000
8170	Fish_Aroma	HOCAN	6022	HOCAN	6024	-0.3469	0.5680	64	-0.61	1.0000
8183	Fish_Aroma	HOCAN	6024	HOCAN	6028	-0.3281	0.5680	64	-0.58	1.0000
8185	Fish_Aroma	HOCAN	3040	HOCAN	3046	0.3264	0.5680	64	0.57	1.0000
8217	Fish_Aroma	HOCAN	3042	HOCAN	3044	-0.1403	0.5680	64	-0.25	1.0000
8245	Fish_Aroma	HOCAN	4034	HOCAN	4040	-0.2813	0.5680	64	-0.50	1.0000
8265	Fish_Aroma	HOCAN	4038	HOCAN	4040	0.1458	0.5680	64	0.26	1.0000
8287	Fish_Aroma	HOCAN	5026	HOCAN	5028	0.1354	0.5680	64	0.24	1.0000
8288	Fish_Aroma	HOCAN	5026	HOCAN	5032	-0.02604	0.5680	64	-0.05	1.0000
8304	Fish_Aroma	HOCAN	5028	HOCAN	5032	-0.1615	0.5680	64	-0.28	1.0000
8350	Fish_Aroma	HOCAN	6024	HOCAN	6026	-0.06875	0.5680	64	-0.12	1.0000
8360	Fish_Aroma	HOCAN	6026	HOCAN	6028	-0.2594	0.5680	64	-0.46	1.0000
8374	Fish_Aroma	HOSUN	3040	HOSUN	3042	0.2420	0.5680	64	0.43	1.0000
8376	Fish_Aroma	HOSUN	3042	HOSUN	3044	0.3000	0.5680	64	0.53	1.0000
8380	Fish_Aroma	HOSUN	3044	HOSUN	3046	0.2153	0.5680	64	0.38	1.0000
8396	Fish_Aroma	HOSUN	4034	HOSUN	4036	-0.01389	0.5680	64	-0.02	1.0000
8397	Fish_Aroma	HOSUN	4034	HOSUN	4038	-0.2552	0.5680	64	-0.45	1.0000
8405	Fish_Aroma	HOSUN	4036	HOSUN	4038	-0.2413	0.5680	64	-0.42	1.0000
8415	Fish_Aroma	HOSUN	5026	HOSUN	5028	-0.1401	0.5680	64	-0.25	1.0000
8416	Fish_Aroma	HOSUN	5026	HOSUN	5030	-0.00868	0.5680	64	-0.02	1.0000
8417	Fish_Aroma	HOSUN	5026	HOSUN	5032	0.06250	0.5680	64	0.11	1.0000
8420	Fish_Aroma	HOSUN	5028	HOSUN	5030	0.1314	0.5680	64	0.23	1.0000
8421	Fish_Aroma	HOSUN	5028	HOSUN	5032	0.2026	0.5680	64	0.36	1.0000
8425	Fish_Aroma	HOSUN	5030	HOSUN	5032	0.07118	0.5680	64	0.13	1.0000
8429	Fish_Aroma	HOSUN	6022	HOSUN	6024	0.2819	0.5680	64	0.50	1.0000
8430	Fish_Aroma	HOSUN	6022	HOSUN	6026	-0.2163	0.5680	64	-0.38	1.0000
8431	Fish_Aroma	HOSUN	6022	HOSUN	6028	-0.1635	0.5680	64	-0.29	1.0000
8432	Fish_Aroma	HOSUN	6026	HOSUN	6028	0.05278	0.5680	64	0.09	1.0000
8443	Sulfur_Aroma	HOCAN	6024	HOCAN	6026	-1.0507	0.2348	64	-4.48	0.0105
8460	Sulfur_Aroma	HOCAN	6022	HOCAN	6026	-0.8208	0.2348	64	-3.50	0.1648
8461	Sulfur_Aroma	HOCAN	6026	HOCAN	6028	0.7976	0.2348	64	3.40	0.2059
8467	Sulfur_Aroma	HOSUN	4036	HOSUN	4038	0.5469	0.2348	64	2.33	0.8812
8470	Sulfur_Aroma	HOSUN	4036	HOSUN	4040	0.5330	0.2348	64	2.27	0.9059
8483	Sulfur_Aroma	HOCAN	5026	HOCAN	5028	0.4462	0.2348	64	1.90	0.9873

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
8486	Sulfur_Aroma	HOSUN	4034	HOSUN	4036	-0.4358	0.2348	64	-1.86	0.9907
8495	Sulfur_Aroma	HOCAN	5026	HOCAN	5032	0.3854	0.2348	64	1.64	0.9985
8517	Sulfur_Aroma	HOSUN	5030	HOSUN	5032	-0.3351	0.2348	64	-1.43	0.9999
8533	Sulfur_Aroma	HOSUN	5028	HOSUN	5030	0.3033	0.2348	64	1.29	1.0000
8558	Sulfur_Aroma	HOSUN	6022	HOSUN	6028	0.2625	0.2348	64	1.12	1.0000
8562	Sulfur_Aroma	HOCAN	5026	HOCAN	5030	0.2587	0.2348	64	1.10	1.0000
8563	Sulfur_Aroma	HOCAN	3044	HOCAN	3046	0.2583	0.2348	64	1.10	1.0000
8564	Sulfur_Aroma	HOCAN	6024	HOCAN	6028	-0.2531	0.2348	64	-1.08	1.0000
8575	Sulfur_Aroma	HOSUN	3042	HOSUN	3046	0.2333	0.2348	64	0.99	1.0000
8582	Sulfur_Aroma	HOCAN	6022	HOCAN	6024	0.2299	0.2348	64	0.98	1.0000
8611	Sulfur_Aroma	HOSUN	5026	HOSUN	5030	0.1979	0.2348	64	0.84	1.0000
8613	Sulfur_Aroma	HOCAN	3042	HOCAN	3046	0.1972	0.2348	64	0.84	1.0000
8627	Sulfur_Aroma	HOSUN	6022	HOSUN	6024	0.1903	0.2348	64	0.81	1.0000
8631	Sulfur_Aroma	HOCAN	5028	HOCAN	5030	-0.1875	0.2348	64	-0.80	1.0000
8636	Sulfur_Aroma	HOCAN	4036	HOCAN	4038	-0.1816	0.2348	64	-0.77	1.0000
8638	Sulfur_Aroma	HOCAN	4038	HOCAN	4040	0.1806	0.2348	64	0.77	1.0000
8642	Sulfur_Aroma	HOSUN	3040	HOSUN	3046	0.1795	0.2348	64	0.76	1.0000
8675	Sulfur_Aroma	HOCAN	4034	HOCAN	4038	-0.1493	0.2348	64	-0.64	1.0000
8681	Sulfur_Aroma	HOCAN	3040	HOCAN	3046	0.1462	0.2348	64	0.62	1.0000
8685	Sulfur_Aroma	HOSUN	6022	HOSUN	6026	0.1420	0.2348	64	0.60	1.0000
8690	Sulfur_Aroma	HOSUN	3044	HOSUN	3046	0.1389	0.2348	64	0.59	1.0000
8694	Sulfur_Aroma	HOSUN	5026	HOSUN	5032	-0.1372	0.2348	64	-0.58	1.0000
8713	Sulfur_Aroma	HOCAN	3040	HOCAN	3042	-0.05104	0.2348	64	-0.22	1.0000
8714	Sulfur_Aroma	HOCAN	3040	HOCAN	3044	-0.1122	0.2348	64	-0.48	1.0000
8732	Sulfur_Aroma	HOCAN	3042	HOCAN	3044	-0.06111	0.2348	64	-0.26	1.0000
8772	Sulfur_Aroma	HOCAN	4034	HOCAN	4036	0.03229	0.2348	64	0.14	1.0000
8773	Sulfur_Aroma	HOCAN	4034	HOCAN	4040	0.03125	0.2348	64	0.13	1.0000
8788	Sulfur_Aroma	HOCAN	4036	HOCAN	4040	-0.00104	0.2348	64	-0.00	1.0000
8825	Sulfur_Aroma	HOCAN	5028	HOCAN	5032	-0.06076	0.2348	64	-0.26	1.0000
8838	Sulfur_Aroma	HOCAN	5030	HOCAN	5032	0.1267	0.2348	64	0.54	1.0000
8860	Sulfur_Aroma	HOCAN	6022	HOCAN	6028	-0.02326	0.2348	64	-0.10	1.0000
8877	Sulfur_Aroma	HOSUN	3040	HOSUN	3042	-0.05382	0.2348	64	-0.23	1.0000
8878	Sulfur_Aroma	HOSUN	3040	HOSUN	3044	0.04062	0.2348	64	0.17	1.0000
8885	Sulfur_Aroma	HOSUN	3042	HOSUN	3044	0.09444	0.2348	64	0.40	1.0000
8904	Sulfur_Aroma	HOSUN	4034	HOSUN	4038	0.1111	0.2348	64	0.47	1.0000
8905	Sulfur_Aroma	HOSUN	4034	HOSUN	4040	0.09722	0.2348	64	0.41	1.0000
8910	Sulfur_Aroma	HOSUN	4038	HOSUN	4040	-0.01389	0.2348	64	-0.06	1.0000
8917	Sulfur_Aroma	HOSUN	5026	HOSUN	5028	-0.1054	0.2348	64	-0.45	1.0000
8921	Sulfur_Aroma	HOSUN	5028	HOSUN	5032	-0.03176	0.2348	64	-0.14	1.0000
8926	Sulfur_Aroma	HOSUN	6024	HOSUN	6026	-0.04826	0.2348	64	-0.21	1.0000
8927	Sulfur_Aroma	HOSUN	6024	HOSUN	6028	0.07222	0.2348	64	0.31	1.0000
8928	Sulfur_Aroma	HOSUN	6026	HOSUN	6028	0.1205	0.2348	64	0.51	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
8964	Solvent_Aroma	HOSUN	3042	HOSUN	3044	-4.1097	1.4649	64	-2.81	0.5790
8971	Solvent_Aroma	HOSUN	3044	HOSUN	3046	4.0083	1.4649	64	2.74	0.6300
8976	Solvent_Aroma	HOSUN	3040	HOSUN	3044	-3.8792	1.4649	64	-2.65	0.6934
8993	Solvent_Aroma	HOCAN	6022	HOCAN	6028	-3.3503	1.4649	64	-2.29	0.8991
8995	Solvent_Aroma	HOCAN	6022	HOCAN	6026	-3.2712	1.4649	64	-2.23	0.9195
8997	Solvent_Aroma	HOSUN	4038	HOSUN	4040	-3.2431	1.4649	64	-2.21	0.9260
9037	Solvent_Aroma	HOSUN	4034	HOSUN	4040	-2.5069	1.4649	64	-1.71	0.9972
9045	Solvent_Aroma	HOCAN	6024	HOCAN	6028	-2.2649	1.4649	64	-1.55	0.9995
9049	Solvent_Aroma	HOCAN	6024	HOCAN	6026	-2.1858	1.4649	64	-1.49	0.9997
9052	Solvent_Aroma	HOCAN	5028	HOCAN	5032	2.1667	1.4649	64	1.48	0.9998
9068	Solvent_Aroma	HOCAN	5026	HOCAN	5032	1.9306	1.4649	64	1.32	1.0000
9078	Solvent_Aroma	HOSUN	4036	HOSUN	4040	-1.7951	1.4649	64	-1.23	1.0000
9101	Solvent_Aroma	HOCAN	5028	HOCAN	5030	1.5688	1.4649	64	1.07	1.0000
9117	Solvent_Aroma	HOSUN	4036	HOSUN	4038	1.4479	1.4649	64	0.99	1.0000
9124	Solvent_Aroma	HOSUN	5028	HOSUN	5030	1.4082	1.4649	64	0.96	1.0000
9134	Solvent_Aroma	HOSUN	5028	HOSUN	5032	1.3506	1.4649	64	0.92	1.0000
9136	Solvent_Aroma	HOCAN	4034	HOCAN	4036	1.3372	1.4649	64	0.91	1.0000
9137	Solvent_Aroma	HOCAN	5026	HOCAN	5030	1.3326	1.4649	64	0.91	1.0000
9145	Solvent_Aroma	HOSUN	5026	HOSUN	5030	1.3076	1.4649	64	0.89	1.0000
9153	Solvent_Aroma	HOCAN	3040	HOCAN	3042	1.2719	1.4649	64	0.87	1.0000
9159	Solvent_Aroma	HOSUN	5026	HOSUN	5032	1.2500	1.4649	64	0.85	1.0000
9162	Solvent_Aroma	HOCAN	4036	HOCAN	4040	-1.2330	1.4649	64	-0.84	1.0000
9181	Solvent_Aroma	HOCAN	3040	HOCAN	3046	1.0913	1.4649	64	0.74	1.0000
9183	Solvent_Aroma	HOCAN	6022	HOCAN	6024	-1.0854	1.4649	64	-0.74	1.0000
9196	Solvent_Aroma	HOCAN	4034	HOCAN	4038	0.9965	1.4649	64	0.68	1.0000
9201	Solvent_Aroma	HOCAN	3042	HOCAN	3044	-0.9667	1.4649	64	-0.66	1.0000
9217	Solvent_Aroma	HOCAN	4038	HOCAN	4040	-0.8924	1.4649	64	-0.61	1.0000
9234	Solvent_Aroma	HOCAN	3040	HOCAN	3044	0.3052	1.4649	64	0.21	1.0000
9246	Solvent_Aroma	HOCAN	3042	HOCAN	3046	-0.1806	1.4649	64	-0.12	1.0000
9261	Solvent_Aroma	HOCAN	3044	HOCAN	3046	0.7861	1.4649	64	0.54	1.0000
9289	Solvent_Aroma	HOCAN	4034	HOCAN	4040	0.1042	1.4649	64	0.07	1.0000
9296	Solvent_Aroma	HOCAN	4036	HOCAN	4038	-0.3406	1.4649	64	-0.23	1.0000
9331	Solvent_Aroma	HOCAN	5026	HOCAN	5028	-0.2361	1.4649	64	-0.16	1.0000
9343	Solvent_Aroma	HOCAN	5030	HOCAN	5032	0.5979	1.4649	64	0.41	1.0000
9369	Solvent_Aroma	HOCAN	6026	HOCAN	6028	-0.07917	1.4649	64	-0.05	1.0000
9372	Solvent_Aroma	HOSUN	3040	HOSUN	3042	0.2306	1.4649	64	0.16	1.0000
9373	Solvent_Aroma	HOSUN	3040	HOSUN	3046	0.1292	1.4649	64	0.09	1.0000
9379	Solvent_Aroma	HOSUN	3042	HOSUN	3046	-0.1014	1.4649	64	-0.07	1.0000
9395	Solvent_Aroma	HOSUN	4034	HOSUN	4036	-0.7118	1.4649	64	-0.49	1.0000
9396	Solvent_Aroma	HOSUN	4034	HOSUN	4038	0.7361	1.4649	64	0.50	1.0000
9409	Solvent_Aroma	HOSUN	5026	HOSUN	5028	-0.1006	1.4649	64	-0.07	1.0000
9418	Solvent_Aroma	HOSUN	5030	HOSUN	5032	-0.05764	1.4649	64	-0.04	1.0000

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
9419	Solvent_Aroma	HOSUN	6022	HOSUN	6024	-0.1569	1.4649	64	-0.11	1.0000
9420	Solvent_Aroma	HOSUN	6022	HOSUN	6026	-0.2899	1.4649	64	-0.20	1.0000
9421	Solvent_Aroma	HOSUN	6022	HOSUN	6028	-0.1316	1.4649	64	-0.09	1.0000
9422	Solvent_Aroma	HOSUN	6024	HOSUN	6026	-0.1330	1.4649	64	-0.09	1.0000
9423	Solvent_Aroma	HOSUN	6024	HOSUN	6028	0.02535	1.4649	64	0.02	1.0000
9424	Solvent_Aroma	HOSUN	6026	HOSUN	6028	0.1583	1.4649	64	0.11	1.0000
9436	Cardboard_Aroma	HOCAN	6022	HOCAN	6028	-2.2479	0.6763	64	-3.32	0.2406
9453	Cardboard_Aroma	HOSUN	3044	HOSUN	3046	1.9583	0.6763	64	2.90	0.5125
9459	Cardboard_Aroma	HOSUN	3040	HOSUN	3044	-1.8562	0.6763	64	-2.74	0.6239
9460	Cardboard_Aroma	HOCAN	6024	HOCAN	6028	-1.8372	0.6763	64	-2.72	0.6445
9464	Cardboard_Aroma	HOSUN	3042	HOSUN	3044	-1.7444	0.6763	64	-2.58	0.7404
9465	Cardboard_Aroma	HOCAN	6026	HOCAN	6028	-1.7431	0.6763	64	-2.58	0.7417
9481	Cardboard_Aroma	HOSUN	6024	HOSUN	6028	-1.3747	0.6763	64	-2.03	0.9706
9497	Cardboard_Aroma	HOSUN	6026	HOSUN	6028	-1.1656	0.6763	64	-1.72	0.9968
9523	Cardboard_Aroma	HOSUN	6022	HOSUN	6024	0.9681	0.6763	64	1.43	0.9999
9533	Cardboard_Aroma	HOCAN	5030	HOCAN	5032	-0.9028	0.6763	64	-1.33	1.0000
9553	Cardboard_Aroma	HOCAN	3044	HOCAN	3046	-0.8014	0.6763	64	-1.18	1.0000
9554	Cardboard_Aroma	HOCAN	5028	HOCAN	5032	-0.8003	0.6763	64	-1.18	1.0000
9556	Cardboard_Aroma	HOCAN	5026	HOCAN	5032	-0.7917	0.6763	64	-1.17	1.0000
9563	Cardboard_Aroma	HOSUN	6022	HOSUN	6026	0.7590	0.6763	64	1.12	1.0000
9577	Cardboard_Aroma	HOSUN	4036	HOSUN	4038	0.7101	0.6763	64	1.05	1.0000
9607	Cardboard_Aroma	HOCAN	3042	HOCAN	3046	-0.6167	0.6763	64	-0.91	1.0000
9615	Cardboard_Aroma	HOSUN	4036	HOSUN	4040	0.5885	0.6763	64	0.87	1.0000
9627	Cardboard_Aroma	HOSUN	4034	HOSUN	4036	-0.5503	0.6763	64	-0.81	1.0000
9647	Cardboard_Aroma	HOCAN	6022	HOCAN	6026	-0.5049	0.6763	64	-0.75	1.0000
9656	Cardboard_Aroma	HOCAN	3040	HOCAN	3044	0.4778	0.6763	64	0.71	1.0000
9676	Cardboard_Aroma	HOSUN	5028	HOSUN	5032	-0.4324	0.6763	64	-0.64	1.0000
9686	Cardboard_Aroma	HOCAN	6022	HOCAN	6024	-0.4108	0.6763	64	-0.61	1.0000
9690	Cardboard_Aroma	HOSUN	6022	HOSUN	6028	-0.4066	0.6763	64	-0.60	1.0000
9710	Cardboard_Aroma	HOCAN	3040	HOCAN	3042	0.2931	0.6763	64	0.43	1.0000
9711	Cardboard_Aroma	HOCAN	3040	HOCAN	3046	-0.3236	0.6763	64	-0.48	1.0000
9721	Cardboard_Aroma	HOCAN	3042	HOCAN	3044	0.1847	0.6763	64	0.27	1.0000
9758	Cardboard_Aroma	HOCAN	4034	HOCAN	4036	-0.1531	0.6763	64	-0.23	1.0000
9759	Cardboard_Aroma	HOCAN	4034	HOCAN	4038	-0.2639	0.6763	64	-0.39	1.0000
9760	Cardboard_Aroma	HOCAN	4034	HOCAN	4040	-0.01910	0.6763	64	-0.03	1.0000
9774	Cardboard_Aroma	HOCAN	4036	HOCAN	4038	-0.1108	0.6763	64	-0.16	1.0000
9775	Cardboard_Aroma	HOCAN	4036	HOCAN	4040	0.1340	0.6763	64	0.20	1.0000
9790	Cardboard_Aroma	HOCAN	4038	HOCAN	4040	0.2448	0.6763	64	0.36	1.0000
9816	Cardboard_Aroma	HOCAN	5026	HOCAN	5028	0.008681	0.6763	64	0.01	1.0000
9817	Cardboard_Aroma	HOCAN	5026	HOCAN	5030	0.1111	0.6763	64	0.16	1.0000
9826	Cardboard_Aroma	HOCAN	5028	HOCAN	5030	0.1024	0.6763	64	0.15	1.0000
9853	Cardboard_Aroma	HOCAN	6024	HOCAN	6026	-0.09410	0.6763	64	-0.14	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
9875	Cardboard_Aroma	HOSUN	3040	HOSUN	3042	-0.1118	0.6763	64	-0.17	1.0000
9876	Cardboard_Aroma	HOSUN	3040	HOSUN	3046	0.1021	0.6763	64	0.15	1.0000
9882	Cardboard_Aroma	HOSUN	3042	HOSUN	3046	0.2139	0.6763	64	0.32	1.0000
9893	Cardboard_Aroma	HOSUN	4034	HOSUN	4038	0.1597	0.6763	64	0.24	1.0000
9894	Cardboard_Aroma	HOSUN	4034	HOSUN	4040	0.03819	0.6763	64	0.06	1.0000
9899	Cardboard_Aroma	HOSUN	4038	HOSUN	4040	-0.1215	0.6763	64	-0.18	1.0000
9907	Cardboard_Aroma	HOSUN	5026	HOSUN	5028	0.3143	0.6763	64	0.46	1.0000
9908	Cardboard_Aroma	HOSUN	5026	HOSUN	5030	0.1281	0.6763	64	0.19	1.0000
9909	Cardboard_Aroma	HOSUN	5026	HOSUN	5032	-0.1181	0.6763	64	-0.17	1.0000
9912	Cardboard_Aroma	HOSUN	5028	HOSUN	5030	-0.1862	0.6763	64	-0.28	1.0000
9915	Cardboard_Aroma	HOSUN	5030	HOSUN	5032	-0.2462	0.6763	64	-0.36	1.0000
9920	Cardboard_Aroma	HOSUN	6024	HOSUN	6026	-0.2090	0.6763	64	-0.31	1.0000
9931	Fruity_Floral_Ar	HOSUN	3044	HOSUN	3046	2.2153	0.6039	64	3.67	0.1087
9935	Fruity_Floral_Ar	HOSUN	3042	HOSUN	3044	-2.1458	0.6039	64	-3.55	0.1441
9955	Fruity_Floral_Ar	HOCAN	3040	HOCAN	3046	1.8434	0.6039	64	3.05	0.4015
9964	Fruity_Floral_Ar	HOCAN	3040	HOCAN	3044	1.6976	0.6039	64	2.81	0.5749
9968	Fruity_Floral_Ar	HOCAN	5026	HOCAN	5032	1.6649	0.6039	64	2.76	0.6148
9971	Fruity_Floral_Ar	HOCAN	3040	HOCAN	3042	1.6253	0.6039	64	2.69	0.6626
9981	Fruity_Floral_Ar	HOCAN	6024	HOCAN	6026	1.4934	0.6039	64	2.47	0.8069
9988	Fruity_Floral_Ar	HOCAN	6024	HOCAN	6028	1.4302	0.6039	64	2.37	0.8630
9997	Fruity_Floral_Ar	HOSUN	3040	HOSUN	3046	1.3389	0.6039	64	2.22	0.9249
10003	Fruity_Floral_Ar	HOSUN	3040	HOSUN	3042	1.2694	0.6039	64	2.10	0.9569
10037	Fruity_Floral_Ar	HOCAN	6022	HOCAN	6024	-1.0316	0.6039	64	-1.71	0.9972
10049	Fruity_Floral_Ar	HOSUN	5028	HOSUN	5030	-0.9605	0.6039	64	-1.59	0.9991
10056	Fruity_Floral_Ar	HOCAN	5026	HOCAN	5030	0.9260	0.6039	64	1.53	0.9995
10059	Fruity_Floral_Ar	HOCAN	5026	HOCAN	5028	0.9097	0.6039	64	1.51	0.9997
10063	Fruity_Floral_Ar	HOCAN	4034	HOCAN	4040	0.8767	0.6039	64	1.45	0.9998
10064	Fruity_Floral_Ar	HOSUN	3040	HOSUN	3044	-0.8764	0.6039	64	-1.45	0.9998
10068	Fruity_Floral_Ar	HOSUN	5030	HOSUN	5032	0.8378	0.6039	64	1.39	0.9999
10076	Fruity_Floral_Ar	HOCAN	4038	HOCAN	4040	0.7552	0.6039	64	1.25	1.0000
10077	Fruity_Floral_Ar	HOCAN	5028	HOCAN	5032	0.7552	0.6039	64	1.25	1.0000
10079	Fruity_Floral_Ar	HOCAN	5030	HOCAN	5032	0.7389	0.6039	64	1.22	1.0000
10110	Fruity_Floral_Ar	HOCAN	4034	HOCAN	4036	0.6153	0.6039	64	1.02	1.0000
10138	Fruity_Floral_Ar	HOSUN	5026	HOSUN	5030	-0.5306	0.6039	64	-0.88	1.0000
10150	Fruity_Floral_Ar	HOSUN	6022	HOSUN	6028	0.5003	0.6039	64	0.83	1.0000
10154	Fruity_Floral_Ar	HOCAN	4036	HOCAN	4038	-0.4938	0.6039	64	-0.82	1.0000
10165	Fruity_Floral_Ar	HOCAN	6022	HOCAN	6026	0.4618	0.6039	64	0.76	1.0000
10178	Fruity_Floral_Ar	HOSUN	5026	HOSUN	5028	0.4299	0.6039	64	0.71	1.0000
10183	Fruity_Floral_Ar	HOSUN	6026	HOSUN	6028	0.4243	0.6039	64	0.70	1.0000
10192	Fruity_Floral_Ar	HOCAN	6022	HOCAN	6028	0.3986	0.6039	64	0.66	1.0000
10211	Fruity_Floral_Ar	HOSUN	4038	HOSUN	4040	0.3611	0.6039	64	0.60	1.0000
10219	Fruity_Floral_Ar	HOSUN	6022	HOSUN	6024	0.3458	0.6039	64	0.57	1.0000

interaction for oil*temptime

Obs	dep var	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
10225	Fruity_Floral_Ar	HOCAN	3042	HOCAN	3044	0.07222	0.6039	64	0.12	1.0000
10226	Fruity_Floral_Ar	HOCAN	3042	HOCAN	3046	0.2181	0.6039	64	0.36	1.0000
10239	Fruity_Floral_Ar	HOCAN	3044	HOCAN	3046	0.1458	0.6039	64	0.24	1.0000
10271	Fruity_Floral_Ar	HOCAN	4034	HOCAN	4038	0.1215	0.6039	64	0.20	1.0000
10273	Fruity_Floral_Ar	HOCAN	4036	HOCAN	4040	0.2615	0.6039	64	0.43	1.0000
10308	Fruity_Floral_Ar	HOCAN	5028	HOCAN	5030	0.01632	0.6039	64	0.03	1.0000
10341	Fruity_Floral_Ar	HOCAN	6026	HOCAN	6028	-0.06319	0.6039	64	-0.10	1.0000
10362	Fruity_Floral_Ar	HOSUN	3042	HOSUN	3046	0.06944	0.6039	64	0.11	1.0000
10382	Fruity_Floral_Ar	HOSUN	4034	HOSUN	4036	0.08507	0.6039	64	0.14	1.0000
10383	Fruity_Floral_Ar	HOSUN	4034	HOSUN	4038	-0.08681	0.6039	64	-0.14	1.0000
10384	Fruity_Floral_Ar	HOSUN	4034	HOSUN	4040	0.2743	0.6039	64	0.45	1.0000
10388	Fruity_Floral_Ar	HOSUN	4036	HOSUN	4038	-0.1719	0.6039	64	-0.28	1.0000
10389	Fruity_Floral_Ar	HOSUN	4036	HOSUN	4040	0.1892	0.6039	64	0.31	1.0000
10403	Fruity_Floral_Ar	HOSUN	5026	HOSUN	5032	0.3073	0.6039	64	0.51	1.0000
10406	Fruity_Floral_Ar	HOSUN	5028	HOSUN	5032	-0.1227	0.6039	64	-0.20	1.0000
10414	Fruity_Floral_Ar	HOSUN	6022	HOSUN	6026	0.07604	0.6039	64	0.13	1.0000
10415	Fruity_Floral_Ar	HOSUN	6024	HOSUN	6026	-0.2698	0.6039	64	-0.45	1.0000
10416	Fruity_Floral_Ar	HOSUN	6024	HOSUN	6028	0.1545	0.6039	64	0.26	1.0000
10437	Musty_Aroma	HOCAN	6022	HOCAN	6028	-1.9639	0.8296	64	-2.37	0.8635
10469	Musty_Aroma	HOCAN	4036	HOCAN	4038	1.6066	0.8296	64	1.94	0.9838
10507	Musty_Aroma	HOSUN	4036	HOSUN	4038	1.3177	0.8296	64	1.59	0.9991
10518	Musty_Aroma	HOSUN	4036	HOSUN	4040	1.2049	0.8296	64	1.45	0.9998
10529	Musty_Aroma	HOCAN	6024	HOCAN	6028	-1.1510	0.8296	64	-1.39	0.9999
10535	Musty_Aroma	HOCAN	4036	HOCAN	4040	1.1188	0.8296	64	1.35	1.0000
10557	Musty_Aroma	HOCAN	6022	HOCAN	6026	-1.0181	0.8296	64	-1.23	1.0000
10566	Musty_Aroma	HOCAN	4034	HOCAN	4036	-0.9729	0.8296	64	-1.17	1.0000
10570	Musty_Aroma	HOSUN	3040	HOSUN	3042	-0.9663	0.8296	64	-1.16	1.0000
10573	Musty_Aroma	HOSUN	3040	HOSUN	3044	-0.9483	0.8296	64	-1.14	1.0000
10575	Musty_Aroma	HOCAN	6026	HOCAN	6028	-0.9458	0.8296	64	-1.14	1.0000
10603	Musty_Aroma	HOSUN	3042	HOSUN	3046	0.8222	0.8296	64	0.99	1.0000
10608	Musty_Aroma	HOCAN	6022	HOCAN	6024	-0.8128	0.8296	64	-0.98	1.0000
10611	Musty_Aroma	HOSUN	6024	HOSUN	6028	-0.8056	0.8296	64	-0.97	1.0000
10612	Musty_Aroma	HOSUN	3044	HOSUN	3046	0.8042	0.8296	64	0.97	1.0000
10639	Musty_Aroma	HOSUN	4034	HOSUN	4036	-0.6892	0.8296	64	-0.83	1.0000
10645	Musty_Aroma	HOSUN	6026	HOSUN	6028	-0.6573	0.8296	64	-0.79	1.0000
10656	Musty_Aroma	HOCAN	4034	HOCAN	4038	0.6337	0.8296	64	0.76	1.0000
10659	Musty_Aroma	HOSUN	4034	HOSUN	4038	0.6285	0.8296	64	0.76	1.0000
10674	Musty_Aroma	HOCAN	5028	HOCAN	5032	-0.5764	0.8296	64	-0.69	1.0000
10678	Musty_Aroma	HOCAN	3040	HOCAN	3046	0.5684	0.8296	64	0.69	1.0000
10706	Musty_Aroma	HOSUN	4034	HOSUN	4040	0.5156	0.8296	64	0.62	1.0000
10713	Musty_Aroma	HOCAN	4038	HOCAN	4040	-0.4878	0.8296	64	-0.59	1.0000
10725	Musty_Aroma	HOCAN	3040	HOCAN	3042	0.2656	0.8296	64	0.32	1.0000

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
10726	Musty_Aroma	HOCAN	3040	HOCAN	3044	0.2281	0.8296	64	0.27	1.0000
10741	Musty_Aroma	HOCAN	3042	HOCAN	3044	-0.03750	0.8296	64	-0.05	1.0000
10742	Musty_Aroma	HOCAN	3042	HOCAN	3046	0.3028	0.8296	64	0.36	1.0000
10757	Musty_Aroma	HOCAN	3044	HOCAN	3046	0.3403	0.8296	64	0.41	1.0000
10785	Musty_Aroma	HOCAN	4034	HOCAN	4040	0.1458	0.8296	64	0.18	1.0000
10817	Musty_Aroma	HOCAN	5026	HOCAN	5028	0.2066	0.8296	64	0.25	1.0000
10818	Musty_Aroma	HOCAN	5026	HOCAN	5030	-0.1274	0.8296	64	-0.15	1.0000
10819	Musty_Aroma	HOCAN	5026	HOCAN	5032	-0.3698	0.8296	64	-0.45	1.0000
10827	Musty_Aroma	HOCAN	5028	HOCAN	5030	-0.3340	0.8296	64	-0.40	1.0000
10834	Musty_Aroma	HOCAN	5030	HOCAN	5032	-0.2424	0.8296	64	-0.29	1.0000
10859	Musty_Aroma	HOCAN	6024	HOCAN	6026	-0.2052	0.8296	64	-0.25	1.0000
10876	Musty_Aroma	HOSUN	3040	HOSUN	3046	-0.1441	0.8296	64	-0.17	1.0000
10881	Musty_Aroma	HOSUN	3042	HOSUN	3044	0.01806	0.8296	64	0.02	1.0000
10891	Musty_Aroma	HOSUN	4038	HOSUN	4040	-0.1128	0.8296	64	-0.14	1.0000
10895	Musty_Aroma	HOSUN	5026	HOSUN	5028	-0.03442	0.8296	64	-0.04	1.0000
10896	Musty_Aroma	HOSUN	5026	HOSUN	5030	0.08194	0.8296	64	0.10	1.0000
10897	Musty_Aroma	HOSUN	5026	HOSUN	5032	0.08507	0.8296	64	0.10	1.0000
10900	Musty_Aroma	HOSUN	5028	HOSUN	5030	0.1164	0.8296	64	0.14	1.0000
10901	Musty_Aroma	HOSUN	5028	HOSUN	5032	0.1195	0.8296	64	0.14	1.0000
10904	Musty_Aroma	HOSUN	5030	HOSUN	5032	0.003125	0.8296	64	0.00	1.0000
10909	Musty_Aroma	HOSUN	6022	HOSUN	6024	0.4250	0.8296	64	0.51	1.0000
10910	Musty_Aroma	HOSUN	6022	HOSUN	6026	0.2767	0.8296	64	0.33	1.0000
10911	Musty_Aroma	HOSUN	6022	HOSUN	6028	-0.3806	0.8296	64	-0.46	1.0000
10912	Musty_Aroma	HOSUN	6024	HOSUN	6026	-0.1483	0.8296	64	-0.18	1.0000
10922	Stale_Nut_Aroma	HOCAN	5028	HOCAN	5032	1.2101	0.3930	64	3.08	0.3836
10927	Stale_Nut_Aroma	HOCAN	4036	HOCAN	4038	1.1806	0.3930	64	3.00	0.4347
10941	Stale_Nut_Aroma	HOCAN	5026	HOCAN	5028	-1.0122	0.3930	64	-2.58	0.7428
10962	Stale_Nut_Aroma	HOCAN	5028	HOCAN	5030	0.8604	0.3930	64	2.19	0.9337
10968	Stale_Nut_Aroma	HOCAN	6024	HOCAN	6026	0.8007	0.3930	64	2.04	0.9697
10973	Stale_Nut_Aroma	HOCAN	4034	HOCAN	4036	-0.7847	0.3930	64	-2.00	0.9762
10979	Stale_Nut_Aroma	HOCAN	6022	HOCAN	6024	-0.7056	0.3930	64	-1.80	0.9942
10990	Stale_Nut_Aroma	HOCAN	4036	HOCAN	4040	0.6215	0.3930	64	1.58	0.9992
10997	Stale_Nut_Aroma	HOCAN	4038	HOCAN	4040	-0.5590	0.3930	64	-1.42	0.9999
10998	Stale_Nut_Aroma	HOSUN	5026	HOSUN	5032	0.5573	0.3930	64	1.42	0.9999
11001	Stale_Nut_Aroma	HOSUN	3040	HOSUN	3046	0.5545	0.3930	64	1.41	0.9999
11017	Stale_Nut_Aroma	HOCAN	3040	HOCAN	3044	-0.4931	0.3930	64	-1.25	1.0000
11027	Stale_Nut_Aroma	HOCAN	6024	HOCAN	6028	0.4698	0.3930	64	1.20	1.0000
11050	Stale_Nut_Aroma	HOSUN	5030	HOSUN	5032	0.4132	0.3930	64	1.05	1.0000
11056	Stale_Nut_Aroma	HOSUN	5026	HOSUN	5028	0.4076	0.3930	64	1.04	1.0000
11062	Stale_Nut_Aroma	HOCAN	4034	HOCAN	4038	0.3958	0.3930	64	1.01	1.0000
11069	Stale_Nut_Aroma	HOCAN	3044	HOCAN	3046	0.3819	0.3930	64	0.97	1.0000
11084	Stale_Nut_Aroma	HOCAN	5030	HOCAN	5032	0.3497	0.3930	64	0.89	1.0000

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Obs	dep var	oil	temp time	_oil	_temp time	Estimate	StdErr	df	t Value	Adjp
11094	Stale_Nut_Aroma	HOCAN	6026	HOCAN	6028	-0.3309	0.3930	64	-0.84	1.0000
11122	Stale_Nut_Aroma	HOSUN	3044	HOSUN	3046	0.2931	0.3930	64	0.75	1.0000
11123	Stale_Nut_Aroma	HOCAN	3042	HOCAN	3044	-0.2917	0.3930	64	-0.74	1.0000
11128	Stale_Nut_Aroma	HOSUN	4034	HOSUN	4038	0.2882	0.3930	64	0.73	1.0000
11129	Stale_Nut_Aroma	HOSUN	4034	HOSUN	4040	0.2882	0.3930	64	0.73	1.0000
11130	Stale_Nut_Aroma	HOSUN	3040	HOSUN	3042	0.2878	0.3930	64	0.73	1.0000
11141	Stale_Nut_Aroma	HOSUN	3042	HOSUN	3046	0.2667	0.3930	64	0.68	1.0000
11145	Stale_Nut_Aroma	HOSUN	5028	HOSUN	5030	-0.2635	0.3930	64	-0.67	1.0000
11147	Stale_Nut_Aroma	HOSUN	3040	HOSUN	3044	0.2615	0.3930	64	0.67	1.0000
11168	Stale_Nut_Aroma	HOCAN	6022	HOCAN	6028	-0.2358	0.3930	64	-0.60	1.0000
11178	Stale_Nut_Aroma	HOSUN	4034	HOSUN	4036	0.2309	0.3930	64	0.59	1.0000
11187	Stale_Nut_Aroma	HOCAN	3040	HOCAN	3042	-0.2014	0.3930	64	-0.51	1.0000
11188	Stale_Nut_Aroma	HOCAN	3040	HOCAN	3046	-0.1111	0.3930	64	-0.28	1.0000
11200	Stale_Nut_Aroma	HOCAN	3042	HOCAN	3046	0.09028	0.3930	64	0.23	1.0000
11245	Stale_Nut_Aroma	HOCAN	4034	HOCAN	4040	-0.1632	0.3930	64	-0.42	1.0000
11277	Stale_Nut_Aroma	HOCAN	5026	HOCAN	5030	-0.1517	0.3930	64	-0.39	1.0000
11278	Stale_Nut_Aroma	HOCAN	5026	HOCAN	5032	0.1979	0.3930	64	0.50	1.0000
11314	Stale_Nut_Aroma	HOCAN	6022	HOCAN	6026	0.09514	0.3930	64	0.24	1.0000
11351	Stale_Nut_Aroma	HOSUN	3042	HOSUN	3044	-0.02639	0.3930	64	-0.07	1.0000
11380	Stale_Nut_Aroma	HOSUN	4036	HOSUN	4038	0.05729	0.3930	64	0.15	1.0000
11381	Stale_Nut_Aroma	HOSUN	4036	HOSUN	4040	0.05729	0.3930	64	0.15	1.0000
11386	Stale_Nut_Aroma	HOSUN	4038	HOSUN	4040	0	0.3930	64	0.00	1.0000
11393	Stale_Nut_Aroma	HOSUN	5026	HOSUN	5030	0.1441	0.3930	64	0.37	1.0000
11396	Stale_Nut_Aroma	HOSUN	5028	HOSUN	5032	0.1497	0.3930	64	0.38	1.0000
11403	Stale_Nut_Aroma	HOSUN	6022	HOSUN	6024	0.1653	0.3930	64	0.42	1.0000
11404	Stale_Nut_Aroma	HOSUN	6022	HOSUN	6026	0.1951	0.3930	64	0.50	1.0000
11405	Stale_Nut_Aroma	HOSUN	6022	HOSUN	6028	0.06076	0.3930	64	0.15	1.0000
11406	Stale_Nut_Aroma	HOSUN	6024	HOSUN	6026	0.02986	0.3930	64	0.08	1.0000
11407	Stale_Nut_Aroma	HOSUN	6024	HOSUN	6028	-0.1045	0.3930	64	-0.27	1.0000
11408	Stale_Nut_Aroma	HOSUN	6026	HOSUN	6028	-0.1344	0.3930	64	-0.34	1.0000
11423	Paint_Flavor	HOSUN	3042	HOSUN	3044	-13.5417	3.4220	64	-3.96	0.0504
11449	Paint_Flavor	HOSUN	3044	HOSUN	3046	12.0847	3.4220	64	3.53	0.1517
11455	Paint_Flavor	HOSUN	3040	HOSUN	3044	-11.4486	3.4220	64	-3.35	0.2299
11458	Paint_Flavor	HOCAN	6024	HOCAN	6028	-11.2174	3.4220	64	-3.28	0.2644
11466	Paint_Flavor	HOCAN	6022	HOCAN	6028	-8.9868	3.4220	64	-2.63	0.7087
11493	Paint_Flavor	HOCAN	6026	HOCAN	6028	-5.6410	3.4220	64	-1.65	0.9984
11496	Paint_Flavor	HOCAN	6024	HOCAN	6026	-5.5764	3.4220	64	-1.63	0.9987
11538	Paint_Flavor	HOCAN	6022	HOCAN	6026	-3.3458	3.4220	64	-0.98	1.0000
11539	Paint_Flavor	HOSUN	4034	HOSUN	4040	-3.3299	3.4220	64	-0.97	1.0000
11542	Paint_Flavor	HOSUN	4038	HOSUN	4040	-3.2569	3.4220	64	-0.95	1.0000
11550	Paint_Flavor	HOSUN	6022	HOSUN	6028	-2.9951	3.4220	64	-0.88	1.0000
11561	Paint_Flavor	HOCAN	4034	HOCAN	4038	-2.7517	3.4220	64	-0.80	1.0000

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Obs	dep_var	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
11582	Paint_Flavor	HOCAN	3042	HOCAN	3046	-2.3125	3.4220	64	-0.68	1.0000
11583	Paint_Flavor	HOSUN	6026	HOSUN	6028	-2.3003	3.4220	64	-0.67	1.0000
11589	Paint_Flavor	HOCAN	6022	HOCAN	6024	2.2306	3.4220	64	0.65	1.0000
11596	Paint_Flavor	HOCAN	4034	HOCAN	4040	-2.1424	3.4220	64	-0.63	1.0000
11597	Paint_Flavor	HOSUN	4036	HOSUN	4040	-2.1250	3.4220	64	-0.62	1.0000
11598	Paint_Flavor	HOSUN	3040	HOSUN	3042	2.0931	3.4220	64	0.61	1.0000
11601	Paint_Flavor	HOCAN	4036	HOCAN	4038	-2.0674	3.4220	64	-0.60	1.0000
11604	Paint_Flavor	HOCAN	3042	HOCAN	3044	-2.0181	3.4220	64	-0.59	1.0000
11616	Paint_Flavor	HOCAN	3040	HOCAN	3042	0.7146	3.4220	64	0.21	1.0000
11617	Paint_Flavor	HOCAN	3040	HOCAN	3044	-1.3035	3.4220	64	-0.38	1.0000
11618	Paint_Flavor	HOCAN	3040	HOCAN	3046	-1.5979	3.4220	64	-0.47	1.0000
11651	Paint_Flavor	HOCAN	3044	HOCAN	3046	-0.2944	3.4220	64	-0.09	1.0000
11697	Paint_Flavor	HOCAN	4034	HOCAN	4036	-0.6844	3.4220	64	-0.20	1.0000
11711	Paint_Flavor	HOCAN	4036	HOCAN	4040	-1.4580	3.4220	64	-0.43	1.0000
11729	Paint_Flavor	HOCAN	4038	HOCAN	4040	0.6094	3.4220	64	0.18	1.0000
11761	Paint_Flavor	HOCAN	5026	HOCAN	5028	0.5139	3.4220	64	0.15	1.0000
11762	Paint_Flavor	HOCAN	5026	HOCAN	5030	-1.0021	3.4220	64	-0.29	1.0000
11763	Paint_Flavor	HOCAN	5026	HOCAN	5032	-0.1181	3.4220	64	-0.03	1.0000
11777	Paint_Flavor	HOCAN	5028	HOCAN	5030	-1.5160	3.4220	64	-0.44	1.0000
11778	Paint_Flavor	HOCAN	5028	HOCAN	5032	-0.6319	3.4220	64	-0.18	1.0000
11792	Paint_Flavor	HOCAN	5030	HOCAN	5032	0.8840	3.4220	64	0.26	1.0000
11827	Paint_Flavor	HOSUN	3040	HOSUN	3046	0.6361	3.4220	64	0.19	1.0000
11839	Paint_Flavor	HOSUN	3042	HOSUN	3046	-1.4569	3.4220	64	-0.43	1.0000
11858	Paint_Flavor	HOSUN	4034	HOSUN	4036	-1.2049	3.4220	64	-0.35	1.0000
11859	Paint_Flavor	HOSUN	4034	HOSUN	4038	-0.07292	3.4220	64	-0.02	1.0000
11867	Paint_Flavor	HOSUN	4036	HOSUN	4038	1.1319	3.4220	64	0.33	1.0000
11883	Paint_Flavor	HOSUN	5026	HOSUN	5028	0.1273	3.4220	64	0.04	1.0000
11884	Paint_Flavor	HOSUN	5026	HOSUN	5030	0.4337	3.4220	64	0.13	1.0000
11885	Paint_Flavor	HOSUN	5026	HOSUN	5032	-0.3229	3.4220	64	-0.09	1.0000
11889	Paint_Flavor	HOSUN	5028	HOSUN	5030	0.3063	3.4220	64	0.09	1.0000
11890	Paint_Flavor	HOSUN	5028	HOSUN	5032	-0.4503	3.4220	64	-0.13	1.0000
11894	Paint_Flavor	HOSUN	5030	HOSUN	5032	-0.7566	3.4220	64	-0.22	1.0000
11901	Paint_Flavor	HOSUN	6022	HOSUN	6024	-1.4944	3.4220	64	-0.44	1.0000
11902	Paint_Flavor	HOSUN	6022	HOSUN	6026	-0.6948	3.4220	64	-0.20	1.0000
11903	Paint_Flavor	HOSUN	6024	HOSUN	6026	0.7997	3.4220	64	0.23	1.0000
11904	Paint_Flavor	HOSUN	6024	HOSUN	6028	-1.5007	3.4220	64	-0.44	1.0000
11906	Green_Flavor	HOSUN	3044	HOSUN	3046	3.3833	0.9718	64	3.48	0.1703
11913	Green_Flavor	HOSUN	3042	HOSUN	3044	-3.1306	0.9718	64	-3.22	0.2956
11939	Green_Flavor	HOSUN	3040	HOSUN	3044	-2.4819	0.9718	64	-2.55	0.7569
11957	Green_Flavor	HOCAN	6024	HOCAN	6028	-1.9146	0.9718	64	-1.97	0.9798
11964	Green_Flavor	HOSUN	4034	HOSUN	4040	-1.7465	0.9718	64	-1.80	0.9941
11968	Green_Flavor	HOCAN	6022	HOCAN	6028	-1.6969	0.9718	64	-1.75	0.9961

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Obs	dep_var	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
11969	Green_Flavor	HOCAN	6026	HOCAN	6028	-1.6941	0.9718	64	-1.74	0.9962
11970	Green_Flavor	HOSUN	4036	HOSUN	4040	-1.6806	0.9718	64	-1.73	0.9967
11982	Green_Flavor	HOCAN	4034	HOCAN	4038	-1.5608	0.9718	64	-1.61	0.9990
11992	Green_Flavor	HOSUN	5026	HOSUN	5032	1.4045	0.9718	64	1.45	0.9998
11995	Green_Flavor	HOCAN	4036	HOCAN	4038	-1.3694	0.9718	64	-1.41	0.9999
11998	Green_Flavor	HOSUN	5026	HOSUN	5030	1.3243	0.9718	64	1.36	0.9999
12004	Green_Flavor	HOSUN	4038	HOSUN	4040	-1.3021	0.9718	64	-1.34	1.0000
12007	Green_Flavor	HOSUN	6022	HOSUN	6026	-1.2392	0.9718	64	-1.28	1.0000
12034	Green_Flavor	HOSUN	5026	HOSUN	5028	1.1049	0.9718	64	1.14	1.0000
12048	Green_Flavor	HOSUN	6024	HOSUN	6026	-1.0531	0.9718	64	-1.08	1.0000
12081	Green_Flavor	HOCAN	4034	HOCAN	4040	-0.9097	0.9718	64	-0.94	1.0000
12088	Green_Flavor	HOSUN	3040	HOSUN	3046	0.9014	0.9718	64	0.93	1.0000
12090	Green_Flavor	HOSUN	6022	HOSUN	6028	-0.8809	0.9718	64	-0.91	1.0000
12128	Green_Flavor	HOCAN	4036	HOCAN	4040	-0.7184	0.9718	64	-0.74	1.0000
12133	Green_Flavor	HOSUN	6024	HOSUN	6028	-0.6948	0.9718	64	-0.71	1.0000
12146	Green_Flavor	HOCAN	4038	HOCAN	4040	0.6510	0.9718	64	0.67	1.0000
12148	Green_Flavor	HOSUN	3040	HOSUN	3042	0.6486	0.9718	64	0.67	1.0000
12170	Green_Flavor	HOCAN	3044	HOCAN	3046	-0.5722	0.9718	64	-0.59	1.0000
12175	Green_Flavor	HOCAN	3042	HOCAN	3046	-0.5389	0.9718	64	-0.55	1.0000
12183	Green_Flavor	HOCAN	3040	HOCAN	3042	0.1583	0.9718	64	0.16	1.0000
12184	Green_Flavor	HOCAN	3040	HOCAN	3044	0.1917	0.9718	64	0.20	1.0000
12185	Green_Flavor	HOCAN	3040	HOCAN	3046	-0.3806	0.9718	64	-0.39	1.0000
12202	Green_Flavor	HOCAN	3042	HOCAN	3044	0.03333	0.9718	64	0.03	1.0000
12247	Green_Flavor	HOCAN	4034	HOCAN	4036	-0.1913	0.9718	64	-0.20	1.0000
12289	Green_Flavor	HOCAN	5026	HOCAN	5028	-0.1997	0.9718	64	-0.21	1.0000
12290	Green_Flavor	HOCAN	5026	HOCAN	5030	0.3247	0.9718	64	0.33	1.0000
12291	Green_Flavor	HOCAN	5026	HOCAN	5032	0.1892	0.9718	64	0.19	1.0000
12300	Green_Flavor	HOCAN	5028	HOCAN	5030	0.5243	0.9718	64	0.54	1.0000
12301	Green_Flavor	HOCAN	5028	HOCAN	5032	0.3889	0.9718	64	0.40	1.0000
12310	Green_Flavor	HOCAN	5030	HOCAN	5032	-0.1354	0.9718	64	-0.14	1.0000
12333	Green_Flavor	HOCAN	6022	HOCAN	6024	0.2177	0.9718	64	0.22	1.0000
12334	Green_Flavor	HOCAN	6022	HOCAN	6026	-0.00278	0.9718	64	-0.00	1.0000
12339	Green_Flavor	HOCAN	6024	HOCAN	6026	-0.2205	0.9718	64	-0.23	1.0000
12354	Green_Flavor	HOSUN	3042	HOSUN	3046	0.2528	0.9718	64	0.26	1.0000
12370	Green_Flavor	HOSUN	4034	HOSUN	4036	-0.06597	0.9718	64	-0.07	1.0000
12371	Green_Flavor	HOSUN	4034	HOSUN	4038	-0.4444	0.9718	64	-0.46	1.0000
12377	Green_Flavor	HOSUN	4036	HOSUN	4038	-0.3785	0.9718	64	-0.39	1.0000
12390	Green_Flavor	HOSUN	5028	HOSUN	5030	0.2194	0.9718	64	0.23	1.0000
12391	Green_Flavor	HOSUN	5028	HOSUN	5032	0.2996	0.9718	64	0.31	1.0000
12394	Green_Flavor	HOSUN	5030	HOSUN	5032	0.08021	0.9718	64	0.08	1.0000
12399	Green_Flavor	HOSUN	6022	HOSUN	6024	-0.1861	0.9718	64	-0.19	1.0000
12400	Green_Flavor	HOSUN	6026	HOSUN	6028	0.3583	0.9718	64	0.37	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
12412	Pine_Flavor	HOSUN	3042	HOSUN	3044	-4.1139	1.0536	64	-3.90	0.0583
12420	Pine_Flavor	HOSUN	3044	HOSUN	3046	4.0042	1.0536	64	3.80	0.0773
12428	Pine_Flavor	HOSUN	3040	HOSUN	3044	-3.5354	1.0536	64	-3.36	0.2251
12440	Pine_Flavor	HOCAN	6024	HOCAN	6028	-1.5250	1.0536	64	-1.45	0.9998
12450	Pine_Flavor	HOSUN	5026	HOSUN	5030	-1.4476	1.0536	64	-1.37	0.9999
12453	Pine_Flavor	HOSUN	5028	HOSUN	5030	-1.4100	1.0536	64	-1.34	1.0000
12459	Pine_Flavor	HOCAN	6026	HOCAN	6028	-1.3333	1.0536	64	-1.27	1.0000
12472	Pine_Flavor	HOSUN	5030	HOSUN	5032	1.1941	1.0536	64	1.13	1.0000
12476	Pine_Flavor	HOCAN	6022	HOCAN	6028	-1.1233	1.0536	64	-1.07	1.0000
12483	Pine_Flavor	HOCAN	5026	HOCAN	5032	0.9184	1.0536	64	0.87	1.0000
12506	Pine_Flavor	HOCAN	5026	HOCAN	5028	0.7135	1.0536	64	0.68	1.0000
12513	Pine_Flavor	HOCAN	5026	HOCAN	5030	0.6698	1.0536	64	0.64	1.0000
12530	Pine_Flavor	HOCAN	3040	HOCAN	3042	-0.1368	1.0536	64	-0.13	1.0000
12531	Pine_Flavor	HOCAN	3040	HOCAN	3044	-0.06458	1.0536	64	-0.06	1.0000
12532	Pine_Flavor	HOCAN	3040	HOCAN	3046	0.07153	1.0536	64	0.07	1.0000
12555	Pine_Flavor	HOCAN	3042	HOCAN	3044	0.07222	1.0536	64	0.07	1.0000
12556	Pine_Flavor	HOCAN	3042	HOCAN	3046	0.2083	1.0536	64	0.20	1.0000
12581	Pine_Flavor	HOCAN	3044	HOCAN	3046	0.1361	1.0536	64	0.13	1.0000
12628	Pine_Flavor	HOCAN	4034	HOCAN	4036	0.5472	1.0536	64	0.52	1.0000
12629	Pine_Flavor	HOCAN	4034	HOCAN	4038	0.5243	1.0536	64	0.50	1.0000
12630	Pine_Flavor	HOCAN	4034	HOCAN	4040	0.2431	1.0536	64	0.23	1.0000
12647	Pine_Flavor	HOCAN	4036	HOCAN	4038	-0.02292	1.0536	64	-0.02	1.0000
12648	Pine_Flavor	HOCAN	4036	HOCAN	4040	-0.3042	1.0536	64	-0.29	1.0000
12668	Pine_Flavor	HOCAN	4038	HOCAN	4040	-0.2812	1.0536	64	-0.27	1.0000
12717	Pine_Flavor	HOCAN	5028	HOCAN	5030	-0.04375	1.0536	64	-0.04	1.0000
12718	Pine_Flavor	HOCAN	5028	HOCAN	5032	0.2049	1.0536	64	0.19	1.0000
12736	Pine_Flavor	HOCAN	5030	HOCAN	5032	0.2486	1.0536	64	0.24	1.0000
12768	Pine_Flavor	HOCAN	6022	HOCAN	6024	0.4017	1.0536	64	0.38	1.0000
12769	Pine_Flavor	HOCAN	6022	HOCAN	6026	0.2101	1.0536	64	0.20	1.0000
12784	Pine_Flavor	HOCAN	6024	HOCAN	6026	-0.1917	1.0536	64	-0.18	1.0000
12813	Pine_Flavor	HOSUN	3040	HOSUN	3042	0.5785	1.0536	64	0.55	1.0000
12814	Pine_Flavor	HOSUN	3040	HOSUN	3046	0.4687	1.0536	64	0.44	1.0000
12820	Pine_Flavor	HOSUN	3042	HOSUN	3046	-0.1097	1.0536	64	-0.10	1.0000
12843	Pine_Flavor	HOSUN	4034	HOSUN	4036	-0.5226	1.0536	64	-0.50	1.0000
12844	Pine_Flavor	HOSUN	4034	HOSUN	4038	-0.1233	1.0536	64	-0.12	1.0000
12845	Pine_Flavor	HOSUN	4034	HOSUN	4040	-0.2448	1.0536	64	-0.23	1.0000
12853	Pine_Flavor	HOSUN	4036	HOSUN	4038	0.3993	1.0536	64	0.38	1.0000
12854	Pine_Flavor	HOSUN	4036	HOSUN	4040	0.2778	1.0536	64	0.26	1.0000
12861	Pine_Flavor	HOSUN	4038	HOSUN	4040	-0.1215	1.0536	64	-0.12	1.0000
12876	Pine_Flavor	HOSUN	5026	HOSUN	5028	-0.03758	1.0536	64	-0.04	1.0000
12877	Pine_Flavor	HOSUN	5026	HOSUN	5032	-0.2535	1.0536	64	-0.24	1.0000
12882	Pine_Flavor	HOSUN	5028	HOSUN	5032	-0.2159	1.0536	64	-0.20	1.0000
12891	Pine_Flavor	HOSUN	6022	HOSUN	6024	0.4917	1.0536	64	0.47	1.0000
12892	Pine_Flavor	HOSUN	6022	HOSUN	6026	0.3792	1.0536	64	0.36	1.0000
12893	Pine_Flavor	HOSUN	6022	HOSUN	6028	0.3892	1.0536	64	0.37	1.0000
12894	Pine_Flavor	HOSUN	6024	HOSUN	6026	-0.1125	1.0536	64	-0.11	1.0000
12895	Pine_Flavor	HOSUN	6024	HOSUN	6028	-0.1024	1.0536	64	-0.10	1.0000
12896	Pine_Flavor	HOSUN	6026	HOSUN	6028	0.01007	1.0536	64	0.01	1.0000
12940	Fish_Flavor	HOCAN	6022	HOCAN	6028	-1.2983	0.7500	64	-1.73	0.9966
12957	Fish_Flavor	HOCAN	3040	HOCAN	3044	1.2066	0.7500	64	1.61	0.9989

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
12966	Fish_Flavor	HOCAN	6022	HOCAN	6026	-1.1771	0.7500	64	-1.57	0.9993
12983	Fish_Flavor	HOCAN	3042	HOCAN	3044	1.0556	0.7500	64	1.41	0.9999
12992	Fish_Flavor	HOSUN	5026	HOSUN	5028	0.9749	0.7500	64	1.30	1.0000
12995	Fish_Flavor	HOSUN	5026	HOSUN	5032	0.9479	0.7500	64	1.26	1.0000
13008	Fish_Flavor	HOCAN	4036	HOCAN	4040	0.8757	0.7500	64	1.17	1.0000
13025	Fish_Flavor	HOSUN	5026	HOSUN	5030	0.8090	0.7500	64	1.08	1.0000
13030	Fish_Flavor	HOSUN	4036	HOSUN	4038	-0.7951	0.7500	64	-1.06	1.0000
13034	Fish_Flavor	HOCAN	4036	HOCAN	4038	0.7767	0.7500	64	1.04	1.0000
13035	Fish_Flavor	HOSUN	3042	HOSUN	3046	0.7764	0.7500	64	1.04	1.0000
13047	Fish_Flavor	HOCAN	3040	HOCAN	3046	0.7594	0.7500	64	1.01	1.0000
13049	Fish_Flavor	HOCAN	4034	HOCAN	4040	0.7569	0.7500	64	1.01	1.0000
13061	Fish_Flavor	HOCAN	6024	HOCAN	6028	-0.7274	0.7500	64	-0.97	1.0000
13077	Fish_Flavor	HOSUN	4038	HOSUN	4040	0.6858	0.7500	64	0.91	1.0000
13081	Fish_Flavor	HOSUN	6024	HOSUN	6028	-0.6792	0.7500	64	-0.91	1.0000
13091	Fish_Flavor	HOCAN	4034	HOCAN	4038	0.6580	0.7500	64	0.88	1.0000
13093	Fish_Flavor	HOSUN	4034	HOSUN	4038	-0.6476	0.7500	64	-0.86	1.0000
13112	Fish_Flavor	HOCAN	3042	HOCAN	3046	0.6083	0.7500	64	0.81	1.0000
13113	Fish_Flavor	HOCAN	6024	HOCAN	6026	-0.6062	0.7500	64	-0.81	1.0000
13135	Fish_Flavor	HOCAN	6022	HOCAN	6024	-0.5708	0.7500	64	-0.76	1.0000
13139	Fish_Flavor	HOCAN	5026	HOCAN	5030	0.5625	0.7500	64	0.75	1.0000
13183	Fish_Flavor	HOSUN	6024	HOSUN	6026	-0.4694	0.7500	64	-0.63	1.0000
13184	Fish_Flavor	HOCAN	5030	HOCAN	5032	-0.4688	0.7500	64	-0.62	1.0000
13189	Fish_Flavor	HOCAN	3044	HOCAN	3046	-0.4472	0.7500	64	-0.60	1.0000
13203	Fish_Flavor	HOSUN	3042	HOSUN	3044	0.4153	0.7500	64	0.55	1.0000
13204	Fish_Flavor	HOCAN	3040	HOCAN	3042	0.1510	0.7500	64	0.20	1.0000
13245	Fish_Flavor	HOCAN	4034	HOCAN	4036	-0.1187	0.7500	64	-0.16	1.0000
13246	Fish_Flavor	HOCAN	4038	HOCAN	4040	0.09896	0.7500	64	0.13	1.0000
13264	Fish_Flavor	HOCAN	5026	HOCAN	5028	0.2795	0.7500	64	0.37	1.0000
13265	Fish_Flavor	HOCAN	5026	HOCAN	5032	0.09375	0.7500	64	0.12	1.0000
13279	Fish_Flavor	HOCAN	5028	HOCAN	5030	0.2830	0.7500	64	0.38	1.0000
13280	Fish_Flavor	HOCAN	5028	HOCAN	5032	-0.1858	0.7500	64	-0.25	1.0000
13328	Fish_Flavor	HOCAN	6026	HOCAN	6028	-0.1212	0.7500	64	-0.16	1.0000
13337	Fish_Flavor	HOSUN	3040	HOSUN	3042	-0.3753	0.7500	64	-0.50	1.0000
13338	Fish_Flavor	HOSUN	3040	HOSUN	3044	0.03993	0.7500	64	0.05	1.0000
13339	Fish_Flavor	HOSUN	3040	HOSUN	3046	0.4010	0.7500	64	0.53	1.0000
13349	Fish_Flavor	HOSUN	3044	HOSUN	3046	0.3611	0.7500	64	0.48	1.0000
13365	Fish_Flavor	HOSUN	4034	HOSUN	4036	0.1476	0.7500	64	0.20	1.0000
13366	Fish_Flavor	HOSUN	4034	HOSUN	4040	0.03819	0.7500	64	0.05	1.0000
13371	Fish_Flavor	HOSUN	4036	HOSUN	4040	-0.1094	0.7500	64	-0.15	1.0000
13382	Fish_Flavor	HOSUN	5028	HOSUN	5030	-0.1658	0.7500	64	-0.22	1.0000
13383	Fish_Flavor	HOSUN	5028	HOSUN	5032	-0.02696	0.7500	64	-0.04	1.0000
13385	Fish_Flavor	HOSUN	5030	HOSUN	5032	0.1389	0.7500	64	0.19	1.0000

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
13389	Fish_Flavor	HOSUN	6022	HOSUN	6024	0.4042	0.7500	64	0.54	1.0000
13390	Fish_Flavor	HOSUN	6022	HOSUN	6026	-0.06528	0.7500	64	-0.09	1.0000
13391	Fish_Flavor	HOSUN	6022	HOSUN	6028	-0.2750	0.7500	64	-0.37	1.0000
13392	Fish_Flavor	HOSUN	6026	HOSUN	6028	-0.2097	0.7500	64	-0.28	1.0000
13416	Sulfur_Flavor	HOCAN	6024	HOCAN	6026	-1.0510	0.3806	64	-2.76	0.6113
13447	Sulfur_Flavor	HOCAN	6022	HOCAN	6026	-0.7229	0.3806	64	-1.90	0.9873
13454	Sulfur_Flavor	HOCAN	6024	HOCAN	6028	-0.6858	0.3806	64	-1.80	0.9939
13455	Sulfur_Flavor	HOCAN	4036	HOCAN	4038	-0.6830	0.3806	64	-1.79	0.9942
13467	Sulfur_Flavor	HOCAN	4036	HOCAN	4040	-0.6292	0.3806	64	-1.65	0.9983
13476	Sulfur_Flavor	HOSUN	3040	HOSUN	3044	-0.5892	0.3806	64	-1.55	0.9994
13500	Sulfur_Flavor	HOSUN	3044	HOSUN	3046	0.5097	0.3806	64	1.34	1.0000
13513	Sulfur_Flavor	HOCAN	5026	HOCAN	5028	0.4583	0.3806	64	1.20	1.0000
13521	Sulfur_Flavor	HOCAN	4034	HOCAN	4036	0.4451	0.3806	64	1.17	1.0000
13525	Sulfur_Flavor	HOSUN	3042	HOSUN	3044	-0.4306	0.3806	64	-1.13	1.0000
13541	Sulfur_Flavor	HOCAN	3040	HOCAN	3046	0.3920	0.3806	64	1.03	1.0000
13555	Sulfur_Flavor	HOCAN	3040	HOCAN	3042	0.3670	0.3806	64	0.96	1.0000
13557	Sulfur_Flavor	HOCAN	6026	HOCAN	6028	0.3653	0.3806	64	0.96	1.0000
13567	Sulfur_Flavor	HOCAN	6022	HOCAN	6028	-0.3576	0.3806	64	-0.94	1.0000
13580	Sulfur_Flavor	HOSUN	4036	HOSUN	4038	0.3472	0.3806	64	0.91	1.0000
13589	Sulfur_Flavor	HOCAN	6022	HOCAN	6024	0.3281	0.3806	64	0.86	1.0000
13608	Sulfur_Flavor	HOCAN	3044	HOCAN	3046	0.3014	0.3806	64	0.79	1.0000
13620	Sulfur_Flavor	HOSUN	4036	HOSUN	4040	0.2847	0.3806	64	0.75	1.0000
13630	Sulfur_Flavor	HOCAN	3042	HOCAN	3044	-0.2764	0.3806	64	-0.73	1.0000
13659	Sulfur_Flavor	HOSUN	5028	HOSUN	5030	0.2454	0.3806	64	0.64	1.0000
13662	Sulfur_Flavor	HOCAN	5026	HOCAN	5030	0.2444	0.3806	64	0.64	1.0000
13665	Sulfur_Flavor	HOCAN	5026	HOCAN	5032	0.2431	0.3806	64	0.64	1.0000
13667	Sulfur_Flavor	HOCAN	4034	HOCAN	4038	-0.2378	0.3806	64	-0.63	1.0000
13677	Sulfur_Flavor	HOSUN	5030	HOSUN	5032	-0.2170	0.3806	64	-0.57	1.0000
13679	Sulfur_Flavor	HOCAN	5028	HOCAN	5030	-0.2139	0.3806	64	-0.56	1.0000
13680	Sulfur_Flavor	HOCAN	5028	HOCAN	5032	-0.2153	0.3806	64	-0.57	1.0000
13682	Sulfur_Flavor	HOSUN	5026	HOSUN	5030	0.2135	0.3806	64	0.56	1.0000
13683	Sulfur_Flavor	HOCAN	3040	HOCAN	3044	0.09063	0.3806	64	0.24	1.0000
13698	Sulfur_Flavor	HOCAN	3042	HOCAN	3046	0.02500	0.3806	64	0.07	1.0000
13738	Sulfur_Flavor	HOCAN	4034	HOCAN	4040	-0.1840	0.3806	64	-0.48	1.0000
13761	Sulfur_Flavor	HOCAN	4038	HOCAN	4040	0.05382	0.3806	64	0.14	1.0000
13785	Sulfur_Flavor	HOCAN	5030	HOCAN	5032	-0.00139	0.3806	64	-0.00	1.0000
13818	Sulfur_Flavor	HOSUN	3040	HOSUN	3042	-0.1587	0.3806	64	-0.42	1.0000
13819	Sulfur_Flavor	HOSUN	3040	HOSUN	3046	-0.07951	0.3806	64	-0.21	1.0000
13824	Sulfur_Flavor	HOSUN	3042	HOSUN	3046	0.07917	0.3806	64	0.21	1.0000
13845	Sulfur_Flavor	HOSUN	4034	HOSUN	4036	-0.1684	0.3806	64	-0.44	1.0000
13846	Sulfur_Flavor	HOSUN	4034	HOSUN	4038	0.1788	0.3806	64	0.47	1.0000
13847	Sulfur_Flavor	HOSUN	4034	HOSUN	4040	0.1163	0.3806	64	0.31	1.0000

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
13862	Sulfur_Flavor	HOSUN	4038	HOSUN	4040	-0.06250	0.3806	64	-0.16	1.0000
13868	Sulfur_Flavor	HOSUN	5026	HOSUN	5028	-0.03186	0.3806	64	-0.08	1.0000
13869	Sulfur_Flavor	HOSUN	5026	HOSUN	5032	-0.00347	0.3806	64	-0.01	1.0000
13874	Sulfur_Flavor	HOSUN	5028	HOSUN	5032	0.02839	0.3806	64	0.07	1.0000
13883	Sulfur_Flavor	HOSUN	6022	HOSUN	6024	0.008333	0.3806	64	0.02	1.0000
13884	Sulfur_Flavor	HOSUN	6022	HOSUN	6026	0.1014	0.3806	64	0.27	1.0000
13885	Sulfur_Flavor	HOSUN	6022	HOSUN	6028	-0.09896	0.3806	64	-0.26	1.0000
13886	Sulfur_Flavor	HOSUN	6024	HOSUN	6026	0.09306	0.3806	64	0.24	1.0000
13887	Sulfur_Flavor	HOSUN	6024	HOSUN	6028	-0.1073	0.3806	64	-0.28	1.0000
13888	Sulfur_Flavor	HOSUN	6026	HOSUN	6028	-0.2003	0.3806	64	-0.53	1.0000
13902	Solvent_Flavor	HOCAN	6022	HOCAN	6028	-7.5059	1.6388	64	-4.58	0.0075
13907	Solvent_Flavor	HOSUN	3040	HOSUN	3044	-7.1194	1.6388	64	-4.34	0.0159
13910	Solvent_Flavor	HOCAN	6024	HOCAN	6028	-6.6788	1.6388	64	-4.08	0.0359
13940	Solvent_Flavor	HOSUN	3042	HOSUN	3044	-4.8347	1.6388	64	-2.95	0.4730
13942	Solvent_Flavor	HOCAN	6026	HOCAN	6028	-4.7247	1.6388	64	-2.88	0.5218
13943	Solvent_Flavor	HOSUN	3044	HOSUN	3046	4.7083	1.6388	64	2.87	0.5291
13947	Solvent_Flavor	HOCAN	4036	HOCAN	4040	-4.0056	1.6388	64	-2.44	0.8233
13985	Solvent_Flavor	HOCAN	4034	HOCAN	4040	-2.8663	1.6388	64	-1.75	0.9960
13986	Solvent_Flavor	HOCAN	3042	HOCAN	3046	-2.8500	1.6388	64	-1.74	0.9964
13990	Solvent_Flavor	HOCAN	4038	HOCAN	4040	-2.8038	1.6388	64	-1.71	0.9972
13991	Solvent_Flavor	HOCAN	6022	HOCAN	6026	-2.7813	1.6388	64	-1.70	0.9975
14012	Solvent_Flavor	HOSUN	3040	HOSUN	3046	-2.4111	1.6388	64	-1.47	0.9998
14024	Solvent_Flavor	HOSUN	3040	HOSUN	3042	-2.2847	1.6388	64	-1.39	0.9999
14040	Solvent_Flavor	HOCAN	3040	HOCAN	3046	-2.0503	1.6388	64	-1.25	1.0000
14048	Solvent_Flavor	HOCAN	6024	HOCAN	6026	-1.9542	1.6388	64	-1.19	1.0000
14060	Solvent_Flavor	HOCAN	3042	HOCAN	3044	-1.8028	1.6388	64	-1.10	1.0000
14088	Solvent_Flavor	HOSUN	6024	HOSUN	6028	-1.5955	1.6388	64	-0.97	1.0000
14102	Solvent_Flavor	HOSUN	6024	HOSUN	6026	-1.5257	1.6388	64	-0.93	1.0000
14111	Solvent_Flavor	HOSUN	5026	HOSUN	5030	1.4788	1.6388	64	0.90	1.0000
14124	Solvent_Flavor	HOSUN	5030	HOSUN	5032	-1.4111	1.6388	64	-0.86	1.0000
14135	Solvent_Flavor	HOSUN	6022	HOSUN	6028	-1.3524	1.6388	64	-0.83	1.0000
14150	Solvent_Flavor	HOSUN	6022	HOSUN	6026	-1.2826	1.6388	64	-0.78	1.0000
14153	Solvent_Flavor	HOSUN	4038	HOSUN	4040	-1.2674	1.6388	64	-0.77	1.0000
14163	Solvent_Flavor	HOCAN	4036	HOCAN	4038	-1.2017	1.6388	64	-0.73	1.0000
14164	Solvent_Flavor	HOSUN	4034	HOSUN	4040	-1.1997	1.6388	64	-0.73	1.0000
14175	Solvent_Flavor	HOCAN	4034	HOCAN	4036	1.1392	1.6388	64	0.70	1.0000
14177	Solvent_Flavor	HOSUN	5026	HOSUN	5028	1.1334	1.6388	64	0.69	1.0000
14189	Solvent_Flavor	HOSUN	5028	HOSUN	5032	-1.0657	1.6388	64	-0.65	1.0000
14193	Solvent_Flavor	HOCAN	3044	HOCAN	3046	-1.0472	1.6388	64	-0.64	1.0000
14198	Solvent_Flavor	HOCAN	3040	HOCAN	3044	-1.0031	1.6388	64	-0.61	1.0000
14213	Solvent_Flavor	HOSUN	4036	HOSUN	4040	-0.9132	1.6388	64	-0.56	1.0000
14214	Solvent_Flavor	HOCAN	3040	HOCAN	3042	0.7997	1.6388	64	0.49	1.0000

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Obs	dep var	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
14255	Solvent_Flavor	HOCAN	4034	HOCAN	4038	-0.06250	1.6388	64	-0.04	1.0000
14285	Solvent_Flavor	HOCAN	5026	HOCAN	5028	-0.4497	1.6388	64	-0.27	1.0000
14286	Solvent_Flavor	HOCAN	5026	HOCAN	5030	-0.1253	1.6388	64	-0.08	1.0000
14287	Solvent_Flavor	HOCAN	5026	HOCAN	5032	-0.01389	1.6388	64	-0.01	1.0000
14296	Solvent_Flavor	HOCAN	5028	HOCAN	5030	0.3243	1.6388	64	0.20	1.0000
14297	Solvent_Flavor	HOCAN	5028	HOCAN	5032	0.4358	1.6388	64	0.27	1.0000
14305	Solvent_Flavor	HOCAN	5030	HOCAN	5032	0.1115	1.6388	64	0.07	1.0000
14322	Solvent_Flavor	HOCAN	6022	HOCAN	6024	-0.8271	1.6388	64	-0.50	1.0000
14343	Solvent_Flavor	HOSUN	3042	HOSUN	3046	-0.1264	1.6388	64	-0.08	1.0000
14356	Solvent_Flavor	HOSUN	4034	HOSUN	4036	-0.2865	1.6388	64	-0.17	1.0000
14357	Solvent_Flavor	HOSUN	4034	HOSUN	4038	0.06771	1.6388	64	0.04	1.0000
14362	Solvent_Flavor	HOSUN	4036	HOSUN	4038	0.3542	1.6388	64	0.22	1.0000
14369	Solvent_Flavor	HOSUN	5026	HOSUN	5032	0.06771	1.6388	64	0.04	1.0000
14374	Solvent_Flavor	HOSUN	5028	HOSUN	5030	0.3454	1.6388	64	0.21	1.0000
14383	Solvent_Flavor	HOSUN	6022	HOSUN	6024	0.2431	1.6388	64	0.15	1.0000
14384	Solvent_Flavor	HOSUN	6026	HOSUN	6028	-0.06979	1.6388	64	-0.04	1.0000
14399	Cardboard_Flavor	HOSUN	3042	HOSUN	3044	-5.3625	1.7910	64	-2.99	0.4417
14427	Cardboard_Flavor	HOSUN	4034	HOSUN	4040	-4.1267	1.7910	64	-2.30	0.8921
14438	Cardboard_Flavor	HOCAN	3042	HOCAN	3046	-3.8903	1.7910	64	-2.17	0.9389
14440	Cardboard_Flavor	HOSUN	3040	HOSUN	3044	-3.8309	1.7910	64	-2.14	0.9480
14457	Cardboard_Flavor	HOSUN	3042	HOSUN	3046	-3.5056	1.7910	64	-1.96	0.9814
14476	Cardboard_Flavor	HOSUN	4036	HOSUN	4040	-3.0781	1.7910	64	-1.72	0.9970
14506	Cardboard_Flavor	HOCAN	3040	HOCAN	3046	-2.4712	1.7910	64	-1.38	0.9999
14516	Cardboard_Flavor	HOCAN	6022	HOCAN	6028	-2.3462	1.7910	64	-1.31	1.0000
14529	Cardboard_Flavor	HOSUN	4034	HOSUN	4038	-2.1875	1.7910	64	-1.22	1.0000
14536	Cardboard_Flavor	HOSUN	5030	HOSUN	5032	-2.1378	1.7910	64	-1.19	1.0000
14537	Cardboard_Flavor	HOSUN	6022	HOSUN	6024	2.1333	1.7910	64	1.19	1.0000
14539	Cardboard_Flavor	HOSUN	5026	HOSUN	5030	2.1222	1.7910	64	1.18	1.0000
14550	Cardboard_Flavor	HOCAN	3042	HOCAN	3044	-2.0083	1.7910	64	-1.12	1.0000
14553	Cardboard_Flavor	HOSUN	3040	HOSUN	3046	-1.9740	1.7910	64	-1.10	1.0000
14555	Cardboard_Flavor	HOSUN	4038	HOSUN	4040	-1.9392	1.7910	64	-1.08	1.0000
14558	Cardboard_Flavor	HOSUN	5028	HOSUN	5032	-1.9110	1.7910	64	-1.07	1.0000
14560	Cardboard_Flavor	HOSUN	5026	HOSUN	5028	1.8954	1.7910	64	1.06	1.0000
14561	Cardboard_Flavor	HOCAN	3044	HOCAN	3046	-1.8819	1.7910	64	-1.05	1.0000
14563	Cardboard_Flavor	HOCAN	4036	HOCAN	4040	-1.8757	1.7910	64	-1.05	1.0000
14564	Cardboard_Flavor	HOSUN	3044	HOSUN	3046	1.8569	1.7910	64	1.04	1.0000
14603	Cardboard_Flavor	HOCAN	5026	HOCAN	5028	1.5642	1.7910	64	0.87	1.0000
14611	Cardboard_Flavor	HOSUN	3040	HOSUN	3042	1.5316	1.7910	64	0.86	1.0000
14615	Cardboard_Flavor	HOCAN	6024	HOCAN	6028	-1.5080	1.7910	64	-0.84	1.0000
14627	Cardboard_Flavor	HOCAN	3040	HOCAN	3042	1.4191	1.7910	64	0.79	1.0000
14629	Cardboard_Flavor	HOCAN	4036	HOCAN	4038	-1.3965	1.7910	64	-0.78	1.0000
14632	Cardboard_Flavor	HOCAN	5026	HOCAN	5030	1.3788	1.7910	64	0.77	1.0000

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
14654	Cardboard_Flavor	HOCAN	6022	HOCAN	6026	-1.1920	1.7910	64	-0.67	1.0000
14660	Cardboard_Flavor	HOSUN	6022	HOSUN	6026	1.1701	1.7910	64	0.65	1.0000
14661	Cardboard_Flavor	HOCAN	6026	HOCAN	6028	-1.1542	1.7910	64	-0.64	1.0000
14664	Cardboard_Flavor	HOSUN	4036	HOSUN	4038	-1.1389	1.7910	64	-0.64	1.0000
14671	Cardboard_Flavor	HOCAN	4034	HOCAN	4040	-1.1146	1.7910	64	-0.62	1.0000
14678	Cardboard_Flavor	HOSUN	6022	HOSUN	6028	1.0757	1.7910	64	0.60	1.0000
14683	Cardboard_Flavor	HOSUN	6024	HOSUN	6028	-1.0576	1.7910	64	-0.59	1.0000
14686	Cardboard_Flavor	HOSUN	4034	HOSUN	4036	-1.0486	1.7910	64	-0.59	1.0000
14696	Cardboard_Flavor	HOCAN	3040	HOCAN	3044	-0.5892	1.7910	64	-0.33	1.0000
14732	Cardboard_Flavor	HOCAN	4034	HOCAN	4036	0.7611	1.7910	64	0.42	1.0000
14733	Cardboard_Flavor	HOCAN	4034	HOCAN	4038	-0.6354	1.7910	64	-0.35	1.0000
14759	Cardboard_Flavor	HOCAN	4038	HOCAN	4040	-0.4792	1.7910	64	-0.27	1.0000
14779	Cardboard_Flavor	HOCAN	5026	HOCAN	5032	0.8681	1.7910	64	0.48	1.0000
14792	Cardboard_Flavor	HOCAN	5028	HOCAN	5030	-0.1854	1.7910	64	-0.10	1.0000
14793	Cardboard_Flavor	HOCAN	5028	HOCAN	5032	-0.6962	1.7910	64	-0.39	1.0000
14801	Cardboard_Flavor	HOCAN	5030	HOCAN	5032	-0.5108	1.7910	64	-0.29	1.0000
14821	Cardboard_Flavor	HOCAN	6022	HOCAN	6024	-0.8382	1.7910	64	-0.47	1.0000
14826	Cardboard_Flavor	HOCAN	6024	HOCAN	6026	-0.3538	1.7910	64	-0.20	1.0000
14869	Cardboard_Flavor	HOSUN	5026	HOSUN	5032	-0.01563	1.7910	64	-0.01	1.0000
14873	Cardboard_Flavor	HOSUN	5028	HOSUN	5030	0.2268	1.7910	64	0.13	1.0000
14879	Cardboard_Flavor	HOSUN	6024	HOSUN	6026	-0.9632	1.7910	64	-0.54	1.0000
14880	Cardboard_Flavor	HOSUN	6026	HOSUN	6028	-0.09444	1.7910	64	-0.05	1.0000
14887	Fruity_Floral_Fl	HOCAN	3040	HOCAN	3046	1.5774	0.4395	64	3.59	0.1322
14897	Fruity_Floral_Fl	HOCAN	3040	HOCAN	3042	1.4608	0.4395	64	3.32	0.2407
14910	Fruity_Floral_Fl	HOSUN	3040	HOSUN	3042	1.2524	0.4395	64	2.85	0.5464
14913	Fruity_Floral_Fl	HOCAN	3040	HOCAN	3044	1.2233	0.4395	64	2.78	0.5955
14914	Fruity_Floral_Fl	HOSUN	3040	HOSUN	3046	1.2233	0.4395	64	2.78	0.5955
14932	Fruity_Floral_Fl	HOSUN	4036	HOSUN	4038	-0.9410	0.4395	64	-2.14	0.9475
14938	Fruity_Floral_Fl	HOCAN	5026	HOCAN	5032	0.9063	0.4395	64	2.06	0.9653
14952	Fruity_Floral_Fl	HOSUN	3040	HOSUN	3044	0.8344	0.4395	64	1.90	0.9875
14976	Fruity_Floral_Fl	HOCAN	5026	HOCAN	5028	0.6493	0.4395	64	1.48	0.9998
14995	Fruity_Floral_Fl	HOCAN	4038	HOCAN	4040	0.5833	0.4395	64	1.33	1.0000
14996	Fruity_Floral_Fl	HOSUN	4034	HOSUN	4036	0.5833	0.4395	64	1.33	1.0000
14998	Fruity_Floral_Fl	HOSUN	4036	HOSUN	4040	-0.5799	0.4395	64	-1.32	1.0000
15006	Fruity_Floral_Fl	HOCAN	5030	HOCAN	5032	0.5576	0.4395	64	1.27	1.0000
15007	Fruity_Floral_Fl	HOSUN	5026	HOSUN	5028	0.5573	0.4395	64	1.27	1.0000
15042	Fruity_Floral_Fl	HOCAN	4034	HOCAN	4038	-0.4705	0.4395	64	-1.07	1.0000
15045	Fruity_Floral_Fl	HOCAN	4036	HOCAN	4038	-0.4625	0.4395	64	-1.05	1.0000
15051	Fruity_Floral_Fl	HOCAN	6024	HOCAN	6026	0.4524	0.4395	64	1.03	1.0000
15052	Fruity_Floral_Fl	HOSUN	6026	HOSUN	6028	-0.4517	0.4395	64	-1.03	1.0000
15073	Fruity_Floral_Fl	HOSUN	6022	HOSUN	6028	-0.4295	0.4395	64	-0.98	1.0000
15079	Fruity_Floral_Fl	HOSUN	3042	HOSUN	3044	-0.4181	0.4395	64	-0.95	1.0000

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
15086	Fruity_Floral_Fl	HOSUN	5028	HOSUN	5030	-0.4014	0.4395	64	-0.91	1.0000
15087	Fruity_Floral_Fl	HOSUN	5026	HOSUN	5032	0.3941	0.4395	64	0.90	1.0000
15089	Fruity_Floral_Fl	HOSUN	3044	HOSUN	3046	0.3889	0.4395	64	0.88	1.0000
15100	Fruity_Floral_Fl	HOCAN	6024	HOCAN	6028	0.3708	0.4395	64	0.84	1.0000
15103	Fruity_Floral_Fl	HOSUN	4038	HOSUN	4040	0.3611	0.4395	64	0.82	1.0000
15107	Fruity_Floral_Fl	HOSUN	4034	HOSUN	4038	-0.3576	0.4395	64	-0.81	1.0000
15108	Fruity_Floral_Fl	HOSUN	6024	HOSUN	6026	0.3569	0.4395	64	0.81	1.0000
15111	Fruity_Floral_Fl	HOCAN	3044	HOCAN	3046	0.3542	0.4395	64	0.81	1.0000
15117	Fruity_Floral_Fl	HOCAN	5026	HOCAN	5030	0.3486	0.4395	64	0.79	1.0000
15120	Fruity_Floral_Fl	HOCAN	6022	HOCAN	6026	0.3424	0.4395	64	0.78	1.0000
15123	Fruity_Floral_Fl	HOSUN	6022	HOSUN	6024	-0.3347	0.4395	64	-0.76	1.0000
15144	Fruity_Floral_Fl	HOCAN	5028	HOCAN	5030	-0.3007	0.4395	64	-0.68	1.0000
15171	Fruity_Floral_Fl	HOCAN	6022	HOCAN	6028	0.2608	0.4395	64	0.59	1.0000
15173	Fruity_Floral_Fl	HOCAN	5028	HOCAN	5032	0.2569	0.4395	64	0.58	1.0000
15183	Fruity_Floral_Fl	HOCAN	3042	HOCAN	3044	-0.2375	0.4395	64	-0.54	1.0000
15184	Fruity_Floral_Fl	HOCAN	3042	HOCAN	3046	0.1167	0.4395	64	0.27	1.0000
15227	Fruity_Floral_Fl	HOCAN	4034	HOCAN	4036	-0.00799	0.4395	64	-0.02	1.0000
15228	Fruity_Floral_Fl	HOCAN	4034	HOCAN	4040	0.1128	0.4395	64	0.26	1.0000
15243	Fruity_Floral_Fl	HOCAN	4036	HOCAN	4040	0.1208	0.4395	64	0.27	1.0000
15305	Fruity_Floral_Fl	HOCAN	6022	HOCAN	6024	-0.1101	0.4395	64	-0.25	1.0000
15324	Fruity_Floral_Fl	HOCAN	6026	HOCAN	6028	-0.08160	0.4395	64	-0.19	1.0000
15335	Fruity_Floral_Fl	HOSUN	3042	HOSUN	3046	-0.02917	0.4395	64	-0.07	1.0000
15354	Fruity_Floral_Fl	HOSUN	4034	HOSUN	4040	0.003472	0.4395	64	0.01	1.0000
15367	Fruity_Floral_Fl	HOSUN	5026	HOSUN	5030	0.1559	0.4395	64	0.35	1.0000
15368	Fruity_Floral_Fl	HOSUN	5028	HOSUN	5032	-0.1632	0.4395	64	-0.37	1.0000
15371	Fruity_Floral_Fl	HOSUN	5030	HOSUN	5032	0.2382	0.4395	64	0.54	1.0000
15375	Fruity_Floral_Fl	HOSUN	6022	HOSUN	6026	0.02222	0.4395	64	0.05	1.0000
15376	Fruity_Floral_Fl	HOSUN	6024	HOSUN	6028	-0.09479	0.4395	64	-0.22	1.0000
15401	Musty_Flavor	HOSUN	4034	HOSUN	4040	-3.0278	1.2332	64	-2.46	0.8171
15418	Musty_Flavor	HOCAN	3040	HOCAN	3042	2.6222	1.2332	64	2.13	0.9512
15441	Musty_Flavor	HOCAN	6022	HOCAN	6028	-2.3413	1.2332	64	-1.90	0.9874
15464	Musty_Flavor	HOCAN	3042	HOCAN	3046	-2.1819	1.2332	64	-1.77	0.9953
15495	Musty_Flavor	HOCAN	4038	HOCAN	4040	-1.8715	1.2332	64	-1.52	0.9996
15497	Musty_Flavor	HOSUN	4036	HOSUN	4040	-1.8611	1.2332	64	-1.51	0.9996
15499	Musty_Flavor	HOSUN	4034	HOSUN	4038	-1.8351	1.2332	64	-1.49	0.9997
15518	Musty_Flavor	HOCAN	6022	HOCAN	6026	-1.7038	1.2332	64	-1.38	0.9999
15552	Musty_Flavor	HOCAN	3040	HOCAN	3044	1.5486	1.2332	64	1.26	1.0000
15559	Musty_Flavor	HOSUN	3042	HOSUN	3044	-1.5097	1.2332	64	-1.22	1.0000
15579	Musty_Flavor	HOCAN	6024	HOCAN	6028	-1.4212	1.2332	64	-1.15	1.0000
15585	Musty_Flavor	HOSUN	3040	HOSUN	3044	-1.3101	1.2332	64	-1.06	1.0000
15596	Musty_Flavor	HOCAN	4036	HOCAN	4038	1.2788	1.2332	64	1.04	1.0000
15604	Musty_Flavor	HOSUN	4038	HOSUN	4040	-1.1927	1.2332	64	-0.97	1.0000

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
15608	Musty_Flavor	HOCAN	4034	HOCAN	4038	1.1875	1.2332	64	0.96	1.0000
15612	Musty_Flavor	HOSUN	5026	HOSUN	5032	1.1684	1.2332	64	0.95	1.0000
15613	Musty_Flavor	HOSUN	4034	HOSUN	4036	-1.1667	1.2332	64	-0.95	1.0000
15619	Musty_Flavor	HOCAN	3044	HOCAN	3046	-1.1083	1.2332	64	-0.90	1.0000
15622	Musty_Flavor	HOCAN	5026	HOCAN	5032	1.1007	1.2332	64	0.89	1.0000
15624	Musty_Flavor	HOCAN	5026	HOCAN	5028	1.0955	1.2332	64	0.89	1.0000
15626	Musty_Flavor	HOCAN	3042	HOCAN	3044	-1.0736	1.2332	64	-0.87	1.0000
15633	Musty_Flavor	HOSUN	6024	HOSUN	6026	-1.0378	1.2332	64	-0.84	1.0000
15634	Musty_Flavor	HOSUN	6024	HOSUN	6028	-1.0368	1.2332	64	-0.84	1.0000
15637	Musty_Flavor	HOCAN	5026	HOCAN	5030	1.0222	1.2332	64	0.83	1.0000
15657	Musty_Flavor	HOCAN	6022	HOCAN	6024	-0.9201	1.2332	64	-0.75	1.0000
15674	Musty_Flavor	HOSUN	3044	HOSUN	3046	0.8514	1.2332	64	0.69	1.0000
15688	Musty_Flavor	HOCAN	6024	HOCAN	6026	-0.7837	1.2332	64	-0.64	1.0000
15693	Musty_Flavor	HOSUN	6022	HOSUN	6024	0.7722	1.2332	64	0.63	1.0000
15714	Musty_Flavor	HOCAN	4034	HOCAN	4040	-0.6840	1.2332	64	-0.55	1.0000
15717	Musty_Flavor	HOCAN	3040	HOCAN	3046	0.4403	1.2332	64	0.36	1.0000
15754	Musty_Flavor	HOCAN	4034	HOCAN	4036	-0.09132	1.2332	64	-0.07	1.0000
15761	Musty_Flavor	HOCAN	4036	HOCAN	4040	-0.5927	1.2332	64	-0.48	1.0000
15795	Musty_Flavor	HOCAN	5028	HOCAN	5030	-0.07326	1.2332	64	-0.06	1.0000
15796	Musty_Flavor	HOCAN	5028	HOCAN	5032	0.005208	1.2332	64	0.00	1.0000
15804	Musty_Flavor	HOCAN	5030	HOCAN	5032	0.07847	1.2332	64	0.06	1.0000
15831	Musty_Flavor	HOCAN	6026	HOCAN	6028	-0.6375	1.2332	64	-0.52	1.0000
15842	Musty_Flavor	HOSUN	3040	HOSUN	3042	0.1997	1.2332	64	0.16	1.0000
15843	Musty_Flavor	HOSUN	3040	HOSUN	3046	-0.4587	1.2332	64	-0.37	1.0000
15845	Musty_Flavor	HOSUN	3042	HOSUN	3046	-0.6583	1.2332	64	-0.53	1.0000
15856	Musty_Flavor	HOSUN	4036	HOSUN	4038	-0.6684	1.2332	64	-0.54	1.0000
15857	Musty_Flavor	HOSUN	5026	HOSUN	5028	0.6437	1.2332	64	0.52	1.0000
15858	Musty_Flavor	HOSUN	5026	HOSUN	5030	0.5424	1.2332	64	0.44	1.0000
15862	Musty_Flavor	HOSUN	5028	HOSUN	5030	-0.1013	1.2332	64	-0.08	1.0000
15863	Musty_Flavor	HOSUN	5028	HOSUN	5032	0.5247	1.2332	64	0.43	1.0000
15866	Musty_Flavor	HOSUN	5030	HOSUN	5032	0.6260	1.2332	64	0.51	1.0000
15870	Musty_Flavor	HOSUN	6022	HOSUN	6026	-0.2656	1.2332	64	-0.22	1.0000
15871	Musty_Flavor	HOSUN	6022	HOSUN	6028	-0.2646	1.2332	64	-0.21	1.0000
15872	Musty_Flavor	HOSUN	6026	HOSUN	6028	0.001042	1.2332	64	0.00	1.0000
15907	Stale_Nut_Flavor	HOCAN	6024	HOCAN	6028	-1.7128	1.0893	64	-1.57	0.9993
15911	Stale_Nut_Flavor	HOCAN	6022	HOCAN	6028	-1.6719	1.0893	64	-1.53	0.9995
15912	Stale_Nut_Flavor	HOSUN	5026	HOSUN	5030	1.6448	1.0893	64	1.51	0.9996
15924	Stale_Nut_Flavor	HOSUN	3040	HOSUN	3046	1.4934	1.0893	64	1.37	0.9999
15937	Stale_Nut_Flavor	HOCAN	6024	HOCAN	6026	-1.3701	1.0893	64	-1.26	1.0000
15939	Stale_Nut_Flavor	HOCAN	6022	HOCAN	6026	-1.3292	1.0893	64	-1.22	1.0000
15970	Stale_Nut_Flavor	HOSUN	6024	HOSUN	6028	-1.1316	1.0893	64	-1.04	1.0000
15987	Stale_Nut_Flavor	HOSUN	3042	HOSUN	3046	1.0306	1.0893	64	0.95	1.0000

Obs	dep var	oil	temp time	_oil	_temp time	Estimate	StdErr	df	tValue	Adjp
15989	Stale_Nut_Flavor	HOCAN	5026	HOCAN	5030	1.0184	1.0893	64	0.93	1.0000
16008	Stale_Nut_Flavor	HOCAN	3044	HOCAN	3046	0.9361	1.0893	64	0.86	1.0000
16010	Stale_Nut_Flavor	HOSUN	6022	HOSUN	6028	-0.9205	1.0893	64	-0.85	1.0000
16015	Stale_Nut_Flavor	HOCAN	5028	HOCAN	5030	0.9021	1.0893	64	0.83	1.0000
16017	Stale_Nut_Flavor	HOCAN	4034	HOCAN	4038	0.8993	1.0893	64	0.83	1.0000
16020	Stale_Nut_Flavor	HOSUN	5026	HOSUN	5032	0.8802	1.0893	64	0.81	1.0000
16026	Stale_Nut_Flavor	HOSUN	3044	HOSUN	3046	0.8722	1.0893	64	0.80	1.0000
16027	Stale_Nut_Flavor	HOCAN	5026	HOCAN	5032	0.8646	1.0893	64	0.79	1.0000
16029	Stale_Nut_Flavor	HOSUN	6026	HOSUN	6028	-0.8580	1.0893	64	-0.79	1.0000
16032	Stale_Nut_Flavor	HOCAN	4034	HOCAN	4040	0.8368	1.0893	64	0.77	1.0000
16033	Stale_Nut_Flavor	HOSUN	5026	HOSUN	5028	0.8363	1.0893	64	0.77	1.0000
16039	Stale_Nut_Flavor	HOSUN	5028	HOSUN	5030	0.8085	1.0893	64	0.74	1.0000
16052	Stale_Nut_Flavor	HOSUN	5030	HOSUN	5032	-0.7646	1.0893	64	-0.70	1.0000
16059	Stale_Nut_Flavor	HOCAN	5028	HOCAN	5032	0.7483	1.0893	64	0.69	1.0000
16061	Stale_Nut_Flavor	HOSUN	4036	HOSUN	4040	-0.7292	1.0893	64	-0.67	1.0000
16069	Stale_Nut_Flavor	HOCAN	3042	HOCAN	3044	-0.7083	1.0893	64	-0.65	1.0000
16079	Stale_Nut_Flavor	HOCAN	4036	HOCAN	4038	0.6632	1.0893	64	0.61	1.0000
16080	Stale_Nut_Flavor	HOCAN	3040	HOCAN	3046	0.6608	1.0893	64	0.61	1.0000
16091	Stale_Nut_Flavor	HOSUN	4034	HOSUN	4040	-0.6389	1.0893	64	-0.59	1.0000
16096	Stale_Nut_Flavor	HOSUN	3040	HOSUN	3044	0.6212	1.0893	64	0.57	1.0000
16099	Stale_Nut_Flavor	HOCAN	4036	HOCAN	4040	0.6007	1.0893	64	0.55	1.0000
16106	Stale_Nut_Flavor	HOCAN	3040	HOCAN	3042	0.4330	1.0893	64	0.40	1.0000
16107	Stale_Nut_Flavor	HOCAN	3040	HOCAN	3044	-0.2753	1.0893	64	-0.25	1.0000
16127	Stale_Nut_Flavor	HOCAN	3042	HOCAN	3046	0.2278	1.0893	64	0.21	1.0000
16168	Stale_Nut_Flavor	HOCAN	4034	HOCAN	4036	0.2361	1.0893	64	0.22	1.0000
16197	Stale_Nut_Flavor	HOCAN	4038	HOCAN	4040	-0.06250	1.0893	64	-0.06	1.0000
16228	Stale_Nut_Flavor	HOCAN	5026	HOCAN	5028	0.1163	1.0893	64	0.11	1.0000
16253	Stale_Nut_Flavor	HOCAN	5030	HOCAN	5032	-0.1538	1.0893	64	-0.14	1.0000
16274	Stale_Nut_Flavor	HOCAN	6022	HOCAN	6024	0.04097	1.0893	64	0.04	1.0000
16299	Stale_Nut_Flavor	HOCAN	6026	HOCAN	6028	-0.3427	1.0893	64	-0.31	1.0000
16301	Stale_Nut_Flavor	HOSUN	3040	HOSUN	3042	0.4628	1.0893	64	0.42	1.0000
16308	Stale_Nut_Flavor	HOSUN	3042	HOSUN	3044	0.1583	1.0893	64	0.15	1.0000
16331	Stale_Nut_Flavor	HOSUN	4034	HOSUN	4036	0.09028	1.0893	64	0.08	1.0000
16332	Stale_Nut_Flavor	HOSUN	4034	HOSUN	4038	-0.3802	1.0893	64	-0.35	1.0000
16338	Stale_Nut_Flavor	HOSUN	4036	HOSUN	4038	-0.4705	1.0893	64	-0.43	1.0000
16344	Stale_Nut_Flavor	HOSUN	4038	HOSUN	4040	-0.2587	1.0893	64	-0.24	1.0000
16359	Stale_Nut_Flavor	HOSUN	5028	HOSUN	5032	0.04391	1.0893	64	0.04	1.0000
16366	Stale_Nut_Flavor	HOSUN	6022	HOSUN	6024	0.2111	1.0893	64	0.19	1.0000
16367	Stale_Nut_Flavor	HOSUN	6022	HOSUN	6026	-0.06250	1.0893	64	-0.06	1.0000
16368	Stale_Nut_Flavor	HOSUN	6024	HOSUN	6026	-0.2736	1.0893	64	-0.25	1.0000
16402	__Point_Hedonic_	HOCAN	6024	HOCAN	6028	0.5309	0.1502	63	3.53	0.1516
16404	__Point_Hedonic_	HOCAN	6024	HOCAN	6026	0.5223	0.1502	63	3.48	0.1730

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
16434	__Point_Hedonic_	HOCAN	6022	HOCAN	6028	0.4453	0.1502	63	2.96	0.4634
16438	__Point_Hedonic_	HOCAN	6022	HOCAN	6026	0.4367	0.1502	63	2.91	0.5047
16527	__Point_Hedonic_	HOSUN	6022	HOSUN	6024	0.2625	0.1502	63	1.75	0.9961
16536	__Point_Hedonic_	HOSUN	4038	HOSUN	4040	0.2831	0.1680	63	1.69	0.9977
16555	__Point_Hedonic_	HOSUN	4034	HOSUN	4040	0.2329	0.1502	63	1.55	0.9994
16562	__Point_Hedonic_	HOSUN	6024	HOSUN	6026	-0.2233	0.1502	63	-1.49	0.9997
16563	__Point_Hedonic_	HOSUN	5026	HOSUN	5028	0.2233	0.1502	63	1.49	0.9997
16567	__Point_Hedonic_	HOCAN	4036	HOCAN	4038	0.2184	0.1502	63	1.45	0.9998
16577	__Point_Hedonic_	HOCAN	5028	HOCAN	5032	0.2065	0.1502	63	1.37	0.9999
16597	__Point_Hedonic_	HOCAN	5026	HOCAN	5032	0.1889	0.1502	63	1.26	1.0000
16642	__Point_Hedonic_	HOCAN	4034	HOCAN	4038	0.1539	0.1502	63	1.02	1.0000
16644	__Point_Hedonic_	HOCAN	3040	HOCAN	3042	0.1477	0.1502	63	0.98	1.0000
16655	__Point_Hedonic_	HOSUN	6024	HOSUN	6028	-0.1424	0.1502	63	-0.95	1.0000
16656	__Point_Hedonic_	HOSUN	4036	HOSUN	4040	0.1423	0.1502	63	0.95	1.0000
16657	__Point_Hedonic_	HOSUN	5026	HOSUN	5030	0.1413	0.1502	63	0.94	1.0000
16658	__Point_Hedonic_	HOCAN	5028	HOCAN	5030	0.1407	0.1502	63	0.94	1.0000
16661	__Point_Hedonic_	HOSUN	5028	HOSUN	5032	-0.1382	0.1502	63	-0.92	1.0000
16673	__Point_Hedonic_	HOSUN	4036	HOSUN	4038	-0.1408	0.1680	63	-0.84	1.0000
16676	__Point_Hedonic_	HOCAN	5026	HOCAN	5030	0.1231	0.1502	63	0.82	1.0000
16684	__Point_Hedonic_	HOSUN	6022	HOSUN	6028	0.1201	0.1502	63	0.80	1.0000
16687	__Point_Hedonic_	HOSUN	3040	HOSUN	3042	0.1158	0.1502	63	0.77	1.0000
16690	__Point_Hedonic_	HOCAN	4038	HOCAN	4040	-0.1126	0.1502	63	-0.75	1.0000
16703	__Point_Hedonic_	HOCAN	4036	HOCAN	4040	0.1059	0.1502	63	0.70	1.0000
16708	__Point_Hedonic_	HOSUN	3042	HOSUN	3044	-0.1032	0.1502	63	-0.69	1.0000
16718	__Point_Hedonic_	HOCAN	3040	HOCAN	3046	0.09488	0.1502	63	0.63	1.0000
16725	__Point_Hedonic_	HOSUN	4034	HOSUN	4036	0.09063	0.1502	63	0.60	1.0000
16733	__Point_Hedonic_	HOCAN	6022	HOCAN	6024	-0.08559	0.1502	63	-0.57	1.0000
16736	__Point_Hedonic_	HOSUN	5026	HOSUN	5032	0.08507	0.1502	63	0.57	1.0000
16737	__Point_Hedonic_	HOCAN	3040	HOCAN	3044	0.08146	0.1502	63	0.54	1.0000
16739	__Point_Hedonic_	HOCAN	3042	HOCAN	3044	-0.06622	0.1502	63	-0.44	1.0000
16740	__Point_Hedonic_	HOCAN	3042	HOCAN	3046	-0.05279	0.1502	63	-0.35	1.0000
16749	__Point_Hedonic_	HOCAN	3044	HOCAN	3046	0.01343	0.1502	63	0.09	1.0000
16758	__Point_Hedonic_	HOCAN	4034	HOCAN	4036	-0.06453	0.1502	63	-0.43	1.0000
16759	__Point_Hedonic_	HOCAN	4034	HOCAN	4040	0.04133	0.1502	63	0.28	1.0000
16796	__Point_Hedonic_	HOCAN	5026	HOCAN	5028	-0.01757	0.1502	63	-0.12	1.0000
16807	__Point_Hedonic_	HOCAN	5030	HOCAN	5032	0.06579	0.1502	63	0.44	1.0000
16838	__Point_Hedonic_	HOCAN	6026	HOCAN	6028	0.008610	0.1502	63	0.06	1.0000
16839	__Point_Hedonic_	HOSUN	3040	HOSUN	3044	0.01256	0.1502	63	0.08	1.0000
16840	__Point_Hedonic_	HOSUN	3040	HOSUN	3046	0.05954	0.1502	63	0.40	1.0000
16844	__Point_Hedonic_	HOSUN	3042	HOSUN	3046	-0.05622	0.1502	63	-0.37	1.0000
16847	__Point_Hedonic_	HOSUN	3044	HOSUN	3046	0.04698	0.1502	63	0.31	1.0000
16853	__Point_Hedonic_	HOSUN	4034	HOSUN	4038	-0.05020	0.1680	63	-0.30	1.0000

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
16860	__Point_Hedonic_	HOSUN	5028	HOSUN	5030	-0.08193	0.1502	63	-0.55	1.0000
16861	__Point_Hedonic_	HOSUN	5030	HOSUN	5032	-0.05627	0.1502	63	-0.37	1.0000
16863	__Point_Hedonic_	HOSUN	6022	HOSUN	6026	0.03922	0.1502	63	0.26	1.0000
16864	__Point_Hedonic_	HOSUN	6026	HOSUN	6028	0.08088	0.1502	63	0.54	1.0000
16883	Normal_Usage	HOCAN	6024	HOCAN	6026	-0.1356	0.03754	63	-3.61	0.1256
16888	Normal_Usage	HOCAN	6024	HOCAN	6028	-0.1308	0.03754	63	-3.49	0.1693
16926	Normal_Usage	HOCAN	6022	HOCAN	6026	-0.08378	0.03754	63	-2.23	0.9196
16931	Normal_Usage	HOCAN	6022	HOCAN	6028	-0.07905	0.03754	63	-2.11	0.9558
16944	Normal_Usage	HOSUN	6022	HOSUN	6028	-0.06781	0.03754	63	-1.81	0.9936
16982	Normal_Usage	HOSUN	5026	HOSUN	5028	-0.05263	0.03754	63	-1.40	0.9999
16984	Normal_Usage	HOSUN	6022	HOSUN	6024	-0.05202	0.03754	63	-1.39	0.9999
16986	Normal_Usage	HOCAN	6022	HOCAN	6024	0.05180	0.03754	63	1.38	0.9999
16987	Normal_Usage	HOSUN	6026	HOSUN	6028	-0.05147	0.03754	63	-1.37	0.9999
16991	Normal_Usage	HOSUN	5028	HOSUN	5032	0.04990	0.03754	63	1.33	1.0000
17007	Normal_Usage	HOSUN	5028	HOSUN	5030	0.04651	0.03754	63	1.24	1.0000
17036	Normal_Usage	HOCAN	5026	HOCAN	5028	0.04050	0.03754	63	1.08	1.0000
17051	Normal_Usage	HOCAN	3040	HOCAN	3042	0.03792	0.03754	63	1.01	1.0000
17059	Normal_Usage	HOCAN	4034	HOCAN	4038	-0.03619	0.03754	63	-0.96	1.0000
17065	Normal_Usage	HOSUN	6024	HOSUN	6026	0.03568	0.03754	63	0.95	1.0000
17081	Normal_Usage	HOCAN	3042	HOCAN	3044	-0.03302	0.03754	63	-0.88	1.0000
17093	Normal_Usage	HOCAN	5028	HOCAN	5030	-0.03141	0.03754	63	-0.84	1.0000
17095	Normal_Usage	HOSUN	3044	HOSUN	3046	0.03116	0.03754	63	0.83	1.0000
17124	Normal_Usage	HOSUN	3040	HOSUN	3044	-0.02637	0.03754	63	-0.70	1.0000
17134	Normal_Usage	HOSUN	4038	HOSUN	4040	-0.02822	0.04197	63	-0.67	1.0000
17143	Normal_Usage	HOSUN	4034	HOSUN	4040	-0.02422	0.03754	63	-0.65	1.0000
17155	Normal_Usage	HOSUN	3042	HOSUN	3044	-0.02306	0.03754	63	-0.61	1.0000
17165	Normal_Usage	HOCAN	5028	HOCAN	5032	-0.02207	0.03754	63	-0.59	1.0000
17169	Normal_Usage	HOCAN	4034	HOCAN	4040	-0.02133	0.03754	63	-0.57	1.0000
17172	Normal_Usage	HOCAN	3040	HOCAN	3044	0.004898	0.03754	63	0.13	1.0000
17173	Normal_Usage	HOCAN	3040	HOCAN	3046	0.01923	0.03754	63	0.51	1.0000
17188	Normal_Usage	HOCAN	3042	HOCAN	3046	-0.01869	0.03754	63	-0.50	1.0000
17199	Normal_Usage	HOCAN	3044	HOCAN	3046	0.01433	0.03754	63	0.38	1.0000
17227	Normal_Usage	HOCAN	4034	HOCAN	4036	-0.01827	0.03754	63	-0.49	1.0000
17240	Normal_Usage	HOCAN	4036	HOCAN	4038	-0.01792	0.03754	63	-0.48	1.0000
17241	Normal_Usage	HOCAN	4036	HOCAN	4040	-0.00306	0.03754	63	-0.08	1.0000
17253	Normal_Usage	HOCAN	4038	HOCAN	4040	0.01486	0.03754	63	0.40	1.0000
17271	Normal_Usage	HOCAN	5026	HOCAN	5030	0.009094	0.03754	63	0.24	1.0000
17272	Normal_Usage	HOCAN	5026	HOCAN	5032	0.01843	0.03754	63	0.49	1.0000
17287	Normal_Usage	HOCAN	5030	HOCAN	5032	0.009337	0.03754	63	0.25	1.0000
17311	Normal_Usage	HOCAN	6026	HOCAN	6028	0.004733	0.03754	63	0.13	1.0000
17312	Normal_Usage	HOSUN	3040	HOSUN	3042	-0.00331	0.03754	63	-0.09	1.0000
17313	Normal_Usage	HOSUN	3040	HOSUN	3046	0.004792	0.03754	63	0.13	1.0000

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Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
17320	Normal_Usage	HOSUN	3042	HOSUN	3046	0.008102	0.03754	63	0.22	1.0000
17337	Normal_Usage	HOSUN	4034	HOSUN	4036	-0.00480	0.03754	63	-0.13	1.0000
17338	Normal_Usage	HOSUN	4034	HOSUN	4038	0.004001	0.04197	63	0.10	1.0000
17341	Normal_Usage	HOSUN	4036	HOSUN	4038	0.008806	0.04197	63	0.21	1.0000
17342	Normal_Usage	HOSUN	4036	HOSUN	4040	-0.01942	0.03754	63	-0.52	1.0000
17351	Normal_Usage	HOSUN	5026	HOSUN	5030	-0.00612	0.03754	63	-0.16	1.0000
17352	Normal_Usage	HOSUN	5026	HOSUN	5032	-0.00273	0.03754	63	-0.07	1.0000
17355	Normal_Usage	HOSUN	5030	HOSUN	5032	0.003393	0.03754	63	0.09	1.0000
17359	Normal_Usage	HOSUN	6022	HOSUN	6026	-0.01634	0.03754	63	-0.44	1.0000
17360	Normal_Usage	HOSUN	6024	HOSUN	6028	-0.01580	0.03754	63	-0.42	1.0000
17387	Emergency_Usage	HOCAN	6024	HOCAN	6026	-0.1250	0.03770	63	-3.32	0.2447
17397	Emergency_Usage	HOCAN	6022	HOCAN	6026	-0.1114	0.03770	63	-2.95	0.4698
17417	Emergency_Usage	HOCAN	6024	HOCAN	6028	-0.07923	0.03770	63	-2.10	0.9568
17423	Emergency_Usage	HOSUN	6022	HOSUN	6024	-0.07435	0.03770	63	-1.97	0.9794
17432	Emergency_Usage	HOCAN	6022	HOCAN	6028	-0.06559	0.03770	63	-1.74	0.9963
17439	Emergency_Usage	HOSUN	6024	HOSUN	6026	0.06073	0.03770	63	1.61	0.9989
17460	Emergency_Usage	HOSUN	5026	HOSUN	5028	-0.05263	0.03770	63	-1.40	0.9999
17481	Emergency_Usage	HOSUN	6022	HOSUN	6028	-0.04657	0.03770	63	-1.24	1.0000
17488	Emergency_Usage	HOCAN	6026	HOCAN	6028	0.04581	0.03770	63	1.22	1.0000
17500	Emergency_Usage	HOSUN	5028	HOSUN	5030	0.04419	0.03770	63	1.17	1.0000
17505	Emergency_Usage	HOCAN	3044	HOCAN	3046	-0.04254	0.03770	63	-1.13	1.0000
17506	Emergency_Usage	HOCAN	3040	HOCAN	3046	-0.04245	0.03770	63	-1.13	1.0000
17551	Emergency_Usage	HOSUN	6026	HOSUN	6028	-0.03295	0.03770	63	-0.87	1.0000
17557	Emergency_Usage	HOSUN	4036	HOSUN	4040	0.03222	0.03770	63	0.85	1.0000
17587	Emergency_Usage	HOSUN	6024	HOSUN	6028	0.02778	0.03770	63	0.74	1.0000
17589	Emergency_Usage	HOCAN	5026	HOCAN	5032	-0.02770	0.03770	63	-0.73	1.0000
17595	Emergency_Usage	HOSUN	5028	HOSUN	5032	0.02698	0.03770	63	0.72	1.0000
17600	Emergency_Usage	HOSUN	3040	HOSUN	3046	0.02679	0.03770	63	0.71	1.0000
17604	Emergency_Usage	HOCAN	5028	HOCAN	5032	-0.02653	0.03770	63	-0.70	1.0000
17611	Emergency_Usage	HOSUN	5026	HOSUN	5032	-0.02565	0.03770	63	-0.68	1.0000
17615	Emergency_Usage	HOCAN	4036	HOCAN	4040	-0.02519	0.03770	63	-0.67	1.0000
17618	Emergency_Usage	HOCAN	4038	HOCAN	4040	-0.02481	0.03770	63	-0.66	1.0000
17629	Emergency_Usage	HOCAN	3042	HOCAN	3046	-0.02358	0.03770	63	-0.63	1.0000
17637	Emergency_Usage	HOCAN	5030	HOCAN	5032	-0.02309	0.03770	63	-0.61	1.0000
17656	Emergency_Usage	HOCAN	3040	HOCAN	3042	-0.01887	0.03770	63	-0.50	1.0000
17657	Emergency_Usage	HOCAN	3040	HOCAN	3044	0.000091	0.03770	63	0.00	1.0000
17660	Emergency_Usage	HOCAN	3042	HOCAN	3044	0.01896	0.03770	63	0.50	1.0000
17691	Emergency_Usage	HOCAN	4034	HOCAN	4036	0.01353	0.03770	63	0.36	1.0000
17692	Emergency_Usage	HOCAN	4034	HOCAN	4038	0.01316	0.03770	63	0.35	1.0000
17693	Emergency_Usage	HOCAN	4034	HOCAN	4040	-0.01166	0.03770	63	-0.31	1.0000
17707	Emergency_Usage	HOCAN	4036	HOCAN	4038	-0.00037	0.03770	63	-0.01	1.0000
17746	Emergency_Usage	HOCAN	5026	HOCAN	5028	-0.00117	0.03770	63	-0.03	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
17747	Emergency_Usage	HOCAN	5026	HOCAN	5030	-0.00461	0.03770	63	-0.12	1.0000
17754	Emergency_Usage	HOCAN	5028	HOCAN	5030	-0.00344	0.03770	63	-0.09	1.0000
17782	Emergency_Usage	HOCAN	6022	HOCAN	6024	0.01364	0.03770	63	0.36	1.0000
17798	Emergency_Usage	HOSUN	3040	HOSUN	3042	0.01380	0.03770	63	0.37	1.0000
17799	Emergency_Usage	HOSUN	3040	HOSUN	3044	0.01398	0.03770	63	0.37	1.0000
17806	Emergency_Usage	HOSUN	3042	HOSUN	3044	0.000177	0.03770	63	0.00	1.0000
17807	Emergency_Usage	HOSUN	3042	HOSUN	3046	0.01299	0.03770	63	0.34	1.0000
17815	Emergency_Usage	HOSUN	3044	HOSUN	3046	0.01281	0.03770	63	0.34	1.0000
17829	Emergency_Usage	HOSUN	4034	HOSUN	4036	-0.01335	0.03770	63	-0.35	1.0000
17830	Emergency_Usage	HOSUN	4034	HOSUN	4038	0.004804	0.04215	63	0.11	1.0000
17831	Emergency_Usage	HOSUN	4034	HOSUN	4040	0.01887	0.03770	63	0.50	1.0000
17835	Emergency_Usage	HOSUN	4036	HOSUN	4038	0.01816	0.04215	63	0.43	1.0000
17840	Emergency_Usage	HOSUN	4038	HOSUN	4040	0.01406	0.04215	63	0.33	1.0000
17849	Emergency_Usage	HOSUN	5026	HOSUN	5030	-0.00844	0.03770	63	-0.22	1.0000
17852	Emergency_Usage	HOSUN	5030	HOSUN	5032	-0.01721	0.03770	63	-0.46	1.0000
17856	Emergency_Usage	HOSUN	6022	HOSUN	6026	-0.01362	0.03770	63	-0.36	1.0000
17903	Peroxide_Value	HOCAN	6026	HOCAN	6028	-20.5362	4.5568	64	-4.51	0.0095
17910	Peroxide_Value	HOCAN	6022	HOCAN	6028	-19.0345	4.5568	64	-4.18	0.0266
17956	Peroxide_Value	HOCAN	6024	HOCAN	6028	-12.5505	4.5568	64	-2.75	0.6169
17994	Peroxide_Value	HOCAN	6024	HOCAN	6026	7.9857	4.5568	64	1.75	0.9959
18017	Peroxide_Value	HOSUN	6022	HOSUN	6024	-6.9197	4.5568	64	-1.52	0.9996
18028	Peroxide_Value	HOCAN	6022	HOCAN	6024	-6.4840	4.5568	64	-1.42	0.9999
18053	Peroxide_Value	HOSUN	6024	HOSUN	6026	4.3337	4.5568	64	0.95	1.0000
18063	Peroxide_Value	HOSUN	6024	HOSUN	6028	3.5547	4.5568	64	0.78	1.0000
18064	Peroxide_Value	HOSUN	6022	HOSUN	6028	-3.3651	4.5568	64	-0.74	1.0000
18074	Peroxide_Value	HOSUN	6022	HOSUN	6026	-2.5860	4.5568	64	-0.57	1.0000
18075	Peroxide_Value	HOCAN	3040	HOCAN	3042	-0.01713	4.5568	64	-0.00	1.0000
18076	Peroxide_Value	HOCAN	3040	HOCAN	3044	-0.4191	4.5568	64	-0.09	1.0000
18077	Peroxide_Value	HOCAN	3040	HOCAN	3046	-0.4391	4.5568	64	-0.10	1.0000
18097	Peroxide_Value	HOCAN	3042	HOCAN	3044	-0.4019	4.5568	64	-0.09	1.0000
18098	Peroxide_Value	HOCAN	3042	HOCAN	3046	-0.4220	4.5568	64	-0.09	1.0000
18118	Peroxide_Value	HOCAN	3044	HOCAN	3046	-0.02004	4.5568	64	-0.00	1.0000
18159	Peroxide_Value	HOCAN	4034	HOCAN	4036	-0.3511	4.5568	64	-0.08	1.0000
18160	Peroxide_Value	HOCAN	4034	HOCAN	4038	-0.5202	4.5568	64	-0.11	1.0000
18161	Peroxide_Value	HOCAN	4034	HOCAN	4040	-0.7600	4.5568	64	-0.17	1.0000
18177	Peroxide_Value	HOCAN	4036	HOCAN	4038	-0.1692	4.5568	64	-0.04	1.0000
18178	Peroxide_Value	HOCAN	4036	HOCAN	4040	-0.4089	4.5568	64	-0.09	1.0000
18195	Peroxide_Value	HOCAN	4038	HOCAN	4040	-0.2397	4.5568	64	-0.05	1.0000
18228	Peroxide_Value	HOCAN	5026	HOCAN	5028	-0.3445	4.5568	64	-0.08	1.0000
18229	Peroxide_Value	HOCAN	5026	HOCAN	5030	0.03334	4.5568	64	0.01	1.0000
18230	Peroxide_Value	HOCAN	5026	HOCAN	5032	-0.3739	4.5568	64	-0.08	1.0000
18243	Peroxide_Value	HOCAN	5028	HOCAN	5030	0.3778	4.5568	64	0.08	1.0000

interaction for oil*temptime

Obs	depvar	oil	temptime	_oil	_temptime	Estimate	StdErr	df	tValue	Adjp
18244	Peroxide_Value	HOCAN	5028	HOCAN	5032	-0.02946	4.5568	64	-0.01	1.0000
18257	Peroxide_Value	HOCAN	5030	HOCAN	5032	-0.4073	4.5568	64	-0.09	1.0000
18282	Peroxide_Value	HOCAN	6022	HOCAN	6026	1.5017	4.5568	64	0.33	1.0000
18284	Peroxide_Value	HOSUN	3040	HOSUN	3042	0.2092	4.5568	64	0.05	1.0000
18285	Peroxide_Value	HOSUN	3040	HOSUN	3044	-0.1580	4.5568	64	-0.03	1.0000
18286	Peroxide_Value	HOSUN	3040	HOSUN	3046	0.01402	4.5568	64	0.00	1.0000
18295	Peroxide_Value	HOSUN	3042	HOSUN	3044	-0.3672	4.5568	64	-0.08	1.0000
18296	Peroxide_Value	HOSUN	3042	HOSUN	3046	-0.1951	4.5568	64	-0.04	1.0000
18305	Peroxide_Value	HOSUN	3044	HOSUN	3046	0.1720	4.5568	64	0.04	1.0000
18322	Peroxide_Value	HOSUN	4034	HOSUN	4036	-0.4635	4.5568	64	-0.10	1.0000
18323	Peroxide_Value	HOSUN	4034	HOSUN	4038	-0.6578	4.5568	64	-0.14	1.0000
18324	Peroxide_Value	HOSUN	4034	HOSUN	4040	-0.7905	4.5568	64	-0.17	1.0000
18329	Peroxide_Value	HOSUN	4036	HOSUN	4038	-0.1943	4.5568	64	-0.04	1.0000
18330	Peroxide_Value	HOSUN	4036	HOSUN	4040	-0.3269	4.5568	64	-0.07	1.0000
18335	Peroxide_Value	HOSUN	4038	HOSUN	4040	-0.1327	4.5568	64	-0.03	1.0000
18344	Peroxide_Value	HOSUN	5026	HOSUN	5028	-0.4862	4.5568	64	-0.11	1.0000
18345	Peroxide_Value	HOSUN	5026	HOSUN	5030	-0.9573	4.5568	64	-0.21	1.0000
18346	Peroxide_Value	HOSUN	5026	HOSUN	5032	-1.2608	4.5568	64	-0.28	1.0000
18347	Peroxide_Value	HOSUN	5028	HOSUN	5030	-0.4711	4.5568	64	-0.10	1.0000
18348	Peroxide_Value	HOSUN	5028	HOSUN	5032	-0.7746	4.5568	64	-0.17	1.0000
18349	Peroxide_Value	HOSUN	5030	HOSUN	5032	-0.3035	4.5568	64	-0.07	1.0000
18352	Peroxide_Value	HOSUN	6026	HOSUN	6028	-0.7791	4.5568	64	-0.17	1.0000

Obs	depvar	oil	Package	_oil	_Package	Estimate	StdErr	df	tValue	Adjp
1	Hexanal__grassy_	HOCAN	LDPE	HOCAN	PET	7044.88	2371.95	64	2.97	0.0213
5	Hexanal__grassy_	HOSUN	LDPE	HOSUN	PET	1976.31	2371.95	64	0.83	0.8385
8	__heptanal__fat_	HOCAN	LDPE	HOCAN	PET	28386	5546.03	64	5.12	<.0001
10	__heptanal__fat_	HOSUN	LDPE	HOSUN	PET	1333.97	5546.03	64	0.24	0.9951
13	octanal__fruity_	HOSUN	LDPE	HOSUN	PET	16061	6712.70	64	2.39	0.0888
17	octanal__fruity_	HOCAN	LDPE	HOCAN	PET	5640.53	6712.70	64	0.84	0.8350
20	__octanal__fat_s	HOCAN	LDPE	HOCAN	PET	26587	7315.35	64	3.63	0.0031
22	__octanal__fat_s	HOSUN	LDPE	HOSUN	PET	3588.47	7315.35	64	0.49	0.9609
26	octanone__soap_g	HOCAN	LDPE	HOCAN	PET	-1966.94	1073.66	64	-1.83	0.2681
28	octanone__soap_g	HOSUN	LDPE	HOSUN	PET	-1085.97	1073.66	64	-1.01	0.7433
32	heptanoic_acid__	HOSUN	LDPE	HOSUN	PET	3763.72	758.89	64	4.96	<.0001
33	heptanoic_acid__	HOCAN	LDPE	HOCAN	PET	2836.50	758.89	64	3.74	0.0022
37	nonanal__fruity_	HOSUN	LDPE	HOSUN	PET	66035	33524	64	1.97	0.2102
40	nonanal__fruity_	HOCAN	LDPE	HOCAN	PET	47119	33524	64	1.41	0.5006
44	nonanol__fat_gre	HOCAN	LDPE	HOCAN	PET	5062.44	3648.70	64	1.39	0.5117
45	nonanol__fat_gre	HOSUN	LDPE	HOSUN	PET	3448.81	3648.70	64	0.95	0.7806
50	__decanone__plas	HOSUN	LDPE	HOSUN	PET	1457.31	536.60	64	2.72	0.0412
52	__decanone__plas	HOCAN	LDPE	HOCAN	PET	1043.59	536.60	64	1.94	0.2200
59	nonadienal__gera	HOSUN	LDPE	HOSUN	PET	-1137.59	1443.02	64	-0.79	0.8595
60	nonadienal__gera	HOCAN	LDPE	HOCAN	PET	839.06	1443.02	64	0.58	0.9373
62	nonanoic_acid__g	HOSUN	LDPE	HOSUN	PET	92908	26223	64	3.54	0.0041
63	nonanoic_acid__g	HOCAN	LDPE	HOCAN	PET	92218	26223	64	3.52	0.0044
68	undecanal__cocon	HOCAN	LDPE	HOCAN	PET	68582	18862	64	3.64	0.0030
69	undecanal__cocon	HOSUN	LDPE	HOSUN	PET	65002	18862	64	3.45	0.0054
73	__decenal__acrid	HOSUN	LDPE	HOSUN	PET	12416	4973.72	64	2.50	0.0701
76	__decenal__acrid	HOCAN	LDPE	HOCAN	PET	7729.09	4973.72	64	1.55	0.4120
80	Paint_Aroma	HOCAN	LDPE	HOCAN	PET	2.1183	0.5463	64	3.88	0.0014
82	Paint_Aroma	HOSUN	LDPE	HOSUN	PET	-0.8556	0.5463	64	-1.57	0.4050
87	Green_Aroma	HOCAN	LDPE	HOCAN	PET	0.3326	0.2620	64	1.27	0.5856
90	Green_Aroma	HOSUN	LDPE	HOSUN	PET	-0.05703	0.2620	64	-0.22	0.9963
91	Pine_Aroma	HOCAN	LDPE	HOCAN	PET	0.3748	0.1046	64	3.58	0.0036
95	Pine_Aroma	HOSUN	LDPE	HOSUN	PET	-0.04541	0.1046	64	-0.43	0.9723
99	Fish_Aroma	HOSUN	LDPE	HOSUN	PET	-0.2011	0.2008	64	-1.00	0.7490
102	Fish_Aroma	HOCAN	LDPE	HOCAN	PET	-0.00712	0.2008	64	-0.04	1.0000
105	Sulfur_Aroma	HOCAN	LDPE	HOCAN	PET	0.09449	0.08301	64	1.14	0.6674
107	Sulfur_Aroma	HOSUN	LDPE	HOSUN	PET	0.02628	0.08301	64	0.32	0.9889
110	Solvent_Aroma	HOCAN	LDPE	HOCAN	PET	1.5438	0.5179	64	2.98	0.0207
112	Solvent_Aroma	HOSUN	LDPE	HOSUN	PET	-0.8191	0.5179	64	-1.58	0.3963
116	Cardboard_Aroma	HOCAN	LDPE	HOCAN	PET	0.5718	0.2391	64	2.39	0.0890
117	Cardboard_Aroma	HOSUN	LDPE	HOSUN	PET	0.5292	0.2391	64	2.21	0.1306
122	Fruity_Floral_Ar	HOSUN	LDPE	HOSUN	PET	-0.3313	0.2135	64	-1.55	0.4132
123	Fruity_Floral_Ar	HOCAN	LDPE	HOCAN	PET	-0.2765	0.2135	64	-1.30	0.5694
128	Musty_Aroma	HOSUN	LDPE	HOSUN	PET	0.6096	0.2933	64	2.08	0.1713

Obs	dep var	oil	Package	_oil	_Package	Estimate	Std Err	df	t Value	Adj p
129	Musty_Aroma	HOCAN	LDPE	HOCAN	PET	0.5529	0.2933	64	1.88	0.2447
135	Stale_Nut_Aroma	HOCAN	LDPE	HOCAN	PET	0.2257	0.1389	64	1.62	0.3726
138	Stale_Nut_Aroma	HOSUN	LDPE	HOSUN	PET	0.02227	0.1389	64	0.16	0.9985
140	Paint_Flavor	HOCAN	LDPE	HOCAN	PET	2.0469	1.2099	64	1.69	0.3364
141	Paint_Flavor	HOSUN	LDPE	HOSUN	PET	-1.6248	1.2099	64	-1.34	0.5394
146	Green_Flavor	HOSUN	LDPE	HOSUN	PET	-0.4176	0.3436	64	-1.22	0.6194
147	Green_Flavor	HOCAN	LDPE	HOCAN	PET	0.3858	0.3436	64	1.12	0.6768
151	Pine_Flavor	HOSUN	LDPE	HOSUN	PET	-0.8012	0.3725	64	-2.15	0.1483
155	Pine_Flavor	HOCAN	LDPE	HOCAN	PET	0.1999	0.3725	64	0.54	0.9498
161	Fish_Flavor	HOCAN	LDPE	HOCAN	PET	-0.1462	0.2652	64	-0.55	0.9459
162	Fish_Flavor	HOSUN	LDPE	HOSUN	PET	0.08114	0.2652	64	0.31	0.9900
165	Sulfur_Flavor	HOCAN	LDPE	HOCAN	PET	0.3039	0.1345	64	2.26	0.1188
168	Sulfur_Flavor	HOSUN	LDPE	HOSUN	PET	0.01666	0.1345	64	0.12	0.9993
169	Solvent_Flavor	HOCAN	LDPE	HOCAN	PET	1.3135	0.5794	64	2.27	0.1167
174	Solvent_Flavor	HOSUN	LDPE	HOSUN	PET	-0.2901	0.5794	64	-0.50	0.9586
176	Cardboard_Flavor	HOSUN	LDPE	HOSUN	PET	2.3524	0.6332	64	3.71	0.0024
177	Cardboard_Flavor	HOCAN	LDPE	HOCAN	PET	2.1844	0.6332	64	3.45	0.0054
181	Fruity_Floral_Fl	HOCAN	LDPE	HOCAN	PET	-0.2326	0.1554	64	-1.50	0.4452
184	Fruity_Floral_Fl	HOSUN	LDPE	HOSUN	PET	-0.2155	0.1554	64	-1.39	0.5122
188	Musty_Flavor	HOCAN	LDPE	HOCAN	PET	1.3459	0.4360	64	3.09	0.0154
189	Musty_Flavor	HOSUN	LDPE	HOSUN	PET	0.9222	0.4360	64	2.12	0.1593
193	Stale_Nut_Flavor	HOCAN	LDPE	HOCAN	PET	0.6477	0.3851	64	1.68	0.3417
198	Stale_Nut_Flavor	HOSUN	LDPE	HOSUN	PET	-0.1075	0.3851	64	-0.28	0.9923
200	__Point_Hedonic_	HOCAN	LDPE	HOCAN	PET	-0.3802	0.05312	63	-7.16	<.0001
201	__Point_Hedonic_	HOSUN	LDPE	HOSUN	PET	-0.2877	0.05394	63	-5.33	<.0001
205	Normal_Usage	HOCAN	LDPE	HOCAN	PET	0.1096	0.01327	63	8.26	<.0001
208	Normal_Usage	HOSUN	LDPE	HOSUN	PET	0.06331	0.01348	63	4.70	<.0001
212	Emergency_Usage	HOSUN	LDPE	HOSUN	PET	0.05005	0.01353	63	3.70	0.0025
213	Emergency_Usage	HOCAN	LDPE	HOCAN	PET	0.04303	0.01333	63	3.23	0.0104
217	Peroxide_Value	HOCAN	LDPE	HOCAN	PET	9.7284	1.6111	64	6.04	<.0001
221	Peroxide_Value	HOSUN	LDPE	HOSUN	PET	3.0085	1.6111	64	1.87	0.2523

Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
50	Hexanal__grassy_	6028	LDPE	6028	PET	28530	6708.88	64	4.25	0.0211
72	Hexanal__grassy_	6024	LDPE	6024	PET	24428	6708.88	64	3.64	0.1164
87	Hexanal__grassy_	6026	LDPE	6026	PET	13730	6708.88	64	2.05	0.9682
224	Hexanal__grassy_	3044	LDPE	3044	PET	5312.75	6708.88	64	0.79	1.0000
254	Hexanal__grassy_	5028	LDPE	5028	PET	-4462.50	6708.88	64	-0.67	1.0000
279	Hexanal__grassy_	6022	LDPE	6022	PET	4028.25	6708.88	64	0.60	1.0000
291	Hexanal__grassy_	3040	LDPE	3040	PET	1109.25	6708.88	64	0.17	1.0000
324	Hexanal__grassy_	3042	LDPE	3042	PET	13.0000	6708.88	64	0.00	1.0000
377	Hexanal__grassy_	3046	LDPE	3046	PET	-284.50	6708.88	64	-0.04	1.0000
396	Hexanal__grassy_	4034	LDPE	4034	PET	442.75	6708.88	64	0.07	1.0000
411	Hexanal__grassy_	4036	LDPE	4036	PET	818.75	6708.88	64	0.12	1.0000
430	Hexanal__grassy_	4038	LDPE	4038	PET	781.25	6708.88	64	0.12	1.0000
445	Hexanal__grassy_	4040	LDPE	4040	PET	1264.25	6708.88	64	0.19	1.0000
456	Hexanal__grassy_	5026	LDPE	5026	PET	-2007.50	6708.88	64	-0.30	1.0000
479	Hexanal__grassy_	5030	LDPE	5030	PET	-267.50	6708.88	64	-0.04	1.0000
486	Hexanal__grassy_	5032	LDPE	5032	PET	-1265.75	6708.88	64	-0.19	1.0000
523	__heptanal__fat_	6028	LDPE	6028	PET	113055	15687	64	7.21	<.0001
554	__heptanal__fat_	6026	LDPE	6026	PET	67589	15687	64	4.31	0.0178
582	__heptanal__fat_	6024	LDPE	6024	PET	39506	15687	64	2.52	0.7795
610	__heptanal__fat_	6022	LDPE	6022	PET	21980	15687	64	1.40	0.9999
627	__heptanal__fat_	3040	LDPE	3040	PET	-90.5000	15687	64	-0.01	1.0000
678	__heptanal__fat_	3042	LDPE	3042	PET	-61.5000	15687	64	-0.00	1.0000
725	__heptanal__fat_	3044	LDPE	3044	PET	3159.00	15687	64	0.20	1.0000
768	__heptanal__fat_	3046	LDPE	3046	PET	-14.5000	15687	64	-0.00	1.0000
807	__heptanal__fat_	4034	LDPE	4034	PET	-1055.00	15687	64	-0.07	1.0000
841	__heptanal__fat_	4036	LDPE	4036	PET	-283.25	15687	64	-0.02	1.0000
874	__heptanal__fat_	4038	LDPE	4038	PET	-437.75	15687	64	-0.03	1.0000
903	__heptanal__fat_	4040	LDPE	4040	PET	-1063.00	15687	64	-0.07	1.0000
927	__heptanal__fat_	5026	LDPE	5026	PET	-1128.25	15687	64	-0.07	1.0000
948	__heptanal__fat_	5028	LDPE	5028	PET	-1594.25	15687	64	-0.10	1.0000
965	__heptanal__fat_	5030	LDPE	5030	PET	-546.50	15687	64	-0.03	1.0000
978	__heptanal__fat_	5032	LDPE	5032	PET	-1252.00	15687	64	-0.08	1.0000
1020	octanal__fruity_	6024	LDPE	6024	PET	65398	18986	64	3.44	0.1853
1052	octanal__fruity_	3044	LDPE	3044	PET	34307	18986	64	1.81	0.9936
1069	octanal__fruity_	6028	LDPE	6028	PET	29962	18986	64	1.58	0.9992
1149	octanal__fruity_	6022	LDPE	6022	PET	18276	18986	64	0.96	1.0000
1175	octanal__fruity_	6026	LDPE	6026	PET	15486	18986	64	0.82	1.0000
1231	octanal__fruity_	3040	LDPE	3040	PET	11209	18986	64	0.59	1.0000
1243	octanal__fruity_	4040	LDPE	4040	PET	10548	18986	64	0.56	1.0000
1284	octanal__fruity_	3042	LDPE	3042	PET	4854.00	18986	64	0.26	1.0000
1337	octanal__fruity_	3046	LDPE	3046	PET	2163.75	18986	64	0.11	1.0000
1364	octanal__fruity_	4034	LDPE	4034	PET	2921.75	18986	64	0.15	1.0000

Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
1383	octanal__fruity_	4036	LDPE	4036	PET	2259.50	18986	64	0.12	1.0000
1403	octanal__fruity_	4038	LDPE	4038	PET	5074.50	18986	64	0.27	1.0000
1430	octanal__fruity_	5026	LDPE	5026	PET	-4211.75	18986	64	-0.22	1.0000
1445	octanal__fruity_	5028	LDPE	5028	PET	-9523.25	18986	64	-0.50	1.0000
1461	octanal__fruity_	5030	LDPE	5030	PET	-4979.75	18986	64	-0.26	1.0000
1474	octanal__fruity_	5032	LDPE	5032	PET	-10136	18986	64	-0.53	1.0000
1513	__octanal__fat_s	6028	LDPE	6028	PET	120768	20691	64	5.84	<.0001
1546	__octanal__fat_s	6026	LDPE	6026	PET	59789	20691	64	2.89	0.5170
1576	__octanal__fat_s	6024	LDPE	6024	PET	42579	20691	64	2.06	0.9661
1595	__octanal__fat_s	6022	LDPE	6022	PET	18210	20691	64	0.88	1.0000
1607	__octanal__fat_s	3040	LDPE	3040	PET	997.75	20691	64	0.05	1.0000
1660	__octanal__fat_s	3042	LDPE	3042	PET	97.2500	20691	64	0.00	1.0000
1709	__octanal__fat_s	3044	LDPE	3044	PET	4634.50	20691	64	0.22	1.0000
1754	__octanal__fat_s	3046	LDPE	3046	PET	212.75	20691	64	0.01	1.0000
1795	__octanal__fat_s	4034	LDPE	4034	PET	-83.7500	20691	64	-0.00	1.0000
1832	__octanal__fat_s	4036	LDPE	4036	PET	-564.00	20691	64	-0.03	1.0000
1865	__octanal__fat_s	4038	LDPE	4038	PET	696.00	20691	64	0.03	1.0000
1894	__octanal__fat_s	4040	LDPE	4040	PET	17.7500	20691	64	0.00	1.0000
1919	__octanal__fat_s	5026	LDPE	5026	PET	-1369.25	20691	64	-0.07	1.0000
1940	__octanal__fat_s	5028	LDPE	5028	PET	-3166.50	20691	64	-0.15	1.0000
1957	__octanal__fat_s	5030	LDPE	5030	PET	-488.75	20691	64	-0.02	1.0000
1970	__octanal__fat_s	5032	LDPE	5032	PET	-921.75	20691	64	-0.04	1.0000
2069	octanone__soap_g	5028	LDPE	5028	PET	-10099	3036.77	64	-3.33	0.2397
2073	octanone__soap_g	6022	LDPE	6022	PET	-7618.75	3036.77	64	-2.51	0.7855
2156	octanone__soap_g	5026	LDPE	5026	PET	-4321.75	3036.77	64	-1.42	0.9999
2166	octanone__soap_g	5030	LDPE	5030	PET	-4098.75	3036.77	64	-1.35	1.0000
2170	octanone__soap_g	5032	LDPE	5032	PET	-3942.25	3036.77	64	-1.30	1.0000
2180	octanone__soap_g	6026	LDPE	6026	PET	-3779.75	3036.77	64	-1.24	1.0000
2194	octanone__soap_g	4038	LDPE	4038	PET	3626.75	3036.77	64	1.19	1.0000
2244	octanone__soap_g	6028	LDPE	6028	PET	-2843.75	3036.77	64	-0.94	1.0000
2269	octanone__soap_g	3040	LDPE	3040	PET	2330.50	3036.77	64	0.77	1.0000
2286	octanone__soap_g	6024	LDPE	6024	PET	1988.00	3036.77	64	0.65	1.0000
2337	octanone__soap_g	3042	LDPE	3042	PET	1133.00	3036.77	64	0.37	1.0000
2361	octanone__soap_g	3044	LDPE	3044	PET	802.75	3036.77	64	0.26	1.0000
2385	octanone__soap_g	3046	LDPE	3046	PET	1465.50	3036.77	64	0.48	1.0000
2403	octanone__soap_g	4034	LDPE	4034	PET	868.00	3036.77	64	0.29	1.0000
2418	octanone__soap_g	4036	LDPE	4036	PET	301.00	3036.77	64	0.10	1.0000
2445	octanone__soap_g	4040	LDPE	4040	PET	-234.50	3036.77	64	-0.08	1.0000
2496	heptanoic_acid__	3044	LDPE	3044	PET	5921.25	2146.47	64	2.76	0.6137
2497	heptanoic_acid__	3040	LDPE	3040	PET	5825.75	2146.47	64	2.71	0.6462
2505	heptanoic_acid__	6028	LDPE	6028	PET	5486.75	2146.47	64	2.56	0.7556
2540	heptanoic_acid__	4038	LDPE	4038	PET	4581.00	2146.47	64	2.13	0.9492

Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
2552	heptanoic_acid__	6026	LDPE	6026	PET	4381.00	2146.47	64	2.04	0.9691
2569	heptanoic_acid__	6022	LDPE	6022	PET	4088.75	2146.47	64	1.90	0.9869
2590	heptanoic_acid__	4034	LDPE	4034	PET	3864.00	2146.47	64	1.80	0.9940
2599	heptanoic_acid__	3042	LDPE	3042	PET	3638.75	2146.47	64	1.70	0.9975
2642	heptanoic_acid__	3046	LDPE	3046	PET	3135.00	2146.47	64	1.46	0.9998
2707	heptanoic_acid__	6024	LDPE	6024	PET	2352.00	2146.47	64	1.10	1.0000
2709	heptanoic_acid__	4040	LDPE	4040	PET	2344.75	2146.47	64	1.09	1.0000
2731	heptanoic_acid__	5030	LDPE	5030	PET	2116.50	2146.47	64	0.99	1.0000
2757	heptanoic_acid__	4036	LDPE	4036	PET	1823.25	2146.47	64	0.85	1.0000
2785	heptanoic_acid__	5032	LDPE	5032	PET	1593.75	2146.47	64	0.74	1.0000
2802	heptanoic_acid__	5026	LDPE	5026	PET	1398.25	2146.47	64	0.65	1.0000
2950	heptanoic_acid__	5028	LDPE	5028	PET	251.00	2146.47	64	0.12	1.0000
3004	nonanal__fruity_	6024	LDPE	6024	PET	345921	94821	64	3.65	0.1144
3017	nonanal__fruity_	3044	LDPE	3044	PET	178060	94821	64	1.88	0.9892
3094	nonanal__fruity_	6028	LDPE	6028	PET	96636	94821	64	1.02	1.0000
3105	nonanal__fruity_	6022	LDPE	6022	PET	91811	94821	64	0.97	1.0000
3172	nonanal__fruity_	4040	LDPE	4040	PET	54761	94821	64	0.58	1.0000
3182	nonanal__fruity_	3040	LDPE	3040	PET	30755	94821	64	0.32	1.0000
3227	nonanal__fruity_	3042	LDPE	3042	PET	12176	94821	64	0.13	1.0000
3288	nonanal__fruity_	3046	LDPE	3046	PET	-7503.00	94821	64	-0.08	1.0000
3322	nonanal__fruity_	4034	LDPE	4034	PET	18750	94821	64	0.20	1.0000
3345	nonanal__fruity_	4036	LDPE	4036	PET	6690.75	94821	64	0.07	1.0000
3371	nonanal__fruity_	4038	LDPE	4038	PET	21445	94821	64	0.23	1.0000
3411	nonanal__fruity_	5026	LDPE	5026	PET	5106.75	94821	64	0.05	1.0000
3428	nonanal__fruity_	5028	LDPE	5028	PET	-8929.50	94821	64	-0.09	1.0000
3444	nonanal__fruity_	5030	LDPE	5030	PET	3608.00	94821	64	0.04	1.0000
3456	nonanal__fruity_	5032	LDPE	5032	PET	7265.25	94821	64	0.08	1.0000
3470	nonanal__fruity_	6026	LDPE	6026	PET	48681	94821	64	0.51	1.0000
3500	nonanol__fat_gre	6024	LDPE	6024	PET	32724	10320	64	3.17	0.3255
3525	nonanol__fat_gre	6028	LDPE	6028	PET	28815	10320	64	2.79	0.5889
3553	nonanol__fat_gre	3040	LDPE	3040	PET	1028.75	10320	64	0.10	1.0000
3607	nonanol__fat_gre	3042	LDPE	3042	PET	5.0000	10320	64	0.00	1.0000
3658	nonanol__fat_gre	3044	LDPE	3044	PET	1996.00	10320	64	0.19	1.0000
3706	nonanol__fat_gre	3046	LDPE	3046	PET	782.50	10320	64	0.08	1.0000
3748	nonanol__fat_gre	4034	LDPE	4034	PET	222.50	10320	64	0.02	1.0000
3787	nonanol__fat_gre	4036	LDPE	4036	PET	375.75	10320	64	0.04	1.0000
3824	nonanol__fat_gre	4038	LDPE	4038	PET	1502.75	10320	64	0.15	1.0000
3854	nonanol__fat_gre	4040	LDPE	4040	PET	703.25	10320	64	0.07	1.0000
3881	nonanol__fat_gre	5026	LDPE	5026	PET	385.00	10320	64	0.04	1.0000
3905	nonanol__fat_gre	5028	LDPE	5028	PET	858.25	10320	64	0.08	1.0000
3926	nonanol__fat_gre	5030	LDPE	5030	PET	303.50	10320	64	0.03	1.0000
3943	nonanol__fat_gre	5032	LDPE	5032	PET	-186.25	10320	64	-0.02	1.0000

Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
3954	nonanol__fat_gre	6022	LDPE	6022	PET	-3745.50	10320	64	-0.36	1.0000
3966	nonanol__fat_gre	6026	LDPE	6026	PET	2319.75	10320	64	0.22	1.0000
4023	__decanone__plas	6028	LDPE	6028	PET	5621.75	1517.73	64	3.70	0.0993
4038	__decanone__plas	6024	LDPE	6024	PET	4609.25	1517.73	64	3.04	0.4121
4052	__decanone__plas	3044	LDPE	3044	PET	3849.25	1517.73	64	2.54	0.7684
4097	__decanone__plas	6026	LDPE	6026	PET	2722.25	1517.73	64	1.79	0.9943
4174	__decanone__plas	4038	LDPE	4038	PET	1665.00	1517.73	64	1.10	1.0000
4185	__decanone__plas	5028	LDPE	5028	PET	-1574.50	1517.73	64	-1.04	1.0000
4203	__decanone__plas	4040	LDPE	4040	PET	1445.75	1517.73	64	0.95	1.0000
4204	__decanone__plas	3040	LDPE	3040	PET	1438.75	1517.73	64	0.95	1.0000
4244	__decanone__plas	5030	LDPE	5030	PET	-1168.25	1517.73	64	-0.77	1.0000
4258	__decanone__plas	5026	LDPE	5026	PET	-1041.25	1517.73	64	-0.69	1.0000
4268	__decanone__plas	3042	LDPE	3042	PET	994.00	1517.73	64	0.65	1.0000
4273	__decanone__plas	5032	LDPE	5032	PET	-964.00	1517.73	64	-0.64	1.0000
4354	__decanone__plas	3046	LDPE	3046	PET	591.50	1517.73	64	0.39	1.0000
4376	__decanone__plas	4034	LDPE	4034	PET	563.25	1517.73	64	0.37	1.0000
4398	__decanone__plas	4036	LDPE	4036	PET	474.00	1517.73	64	0.31	1.0000
4460	__decanone__plas	6022	LDPE	6022	PET	780.50	1517.73	64	0.51	1.0000
4558	nonadienal__gera	6024	LDPE	6024	PET	8447.25	4081.47	64	2.07	0.9638
4663	nonadienal__gera	5028	LDPE	5028	PET	-5289.50	4081.47	64	-1.30	1.0000
4726	nonadienal__gera	3046	LDPE	3046	PET	-3824.25	4081.47	64	-0.94	1.0000
4742	nonadienal__gera	5030	LDPE	5030	PET	-3560.25	4081.47	64	-0.87	1.0000
4768	nonadienal__gera	4034	LDPE	4034	PET	3171.50	4081.47	64	0.78	1.0000
4789	nonadienal__gera	6022	LDPE	6022	PET	-2823.75	4081.47	64	-0.69	1.0000
4812	nonadienal__gera	6026	LDPE	6026	PET	-2279.50	4081.47	64	-0.56	1.0000
4813	nonadienal__gera	3040	LDPE	3040	PET	1646.00	4081.47	64	0.40	1.0000
4829	nonadienal__gera	3042	LDPE	3042	PET	141.00	4081.47	64	0.03	1.0000
4853	nonadienal__gera	3044	LDPE	3044	PET	1430.50	4081.47	64	0.35	1.0000
4902	nonadienal__gera	4036	LDPE	4036	PET	-875.25	4081.47	64	-0.21	1.0000
4911	nonadienal__gera	4038	LDPE	4038	PET	1346.00	4081.47	64	0.33	1.0000
4917	nonadienal__gera	4040	LDPE	4040	PET	-1325.75	4081.47	64	-0.32	1.0000
4919	nonadienal__gera	5026	LDPE	5026	PET	-758.75	4081.47	64	-0.19	1.0000
4943	nonadienal__gera	5032	LDPE	5032	PET	642.50	4081.47	64	0.16	1.0000
4960	nonadienal__gera	6028	LDPE	6028	PET	1524.00	4081.47	64	0.37	1.0000
4987	nonanoic_acid__g	6024	LDPE	6024	PET	420901	74169	64	5.67	0.0002
5010	nonanoic_acid__g	6028	LDPE	6028	PET	335930	74169	64	4.53	0.0088
5041	nonanoic_acid__g	6026	LDPE	6026	PET	218420	74169	64	2.94	0.4768
5056	nonanoic_acid__g	6022	LDPE	6022	PET	143869	74169	64	1.94	0.9834
5063	nonanoic_acid__g	3044	LDPE	3044	PET	131104	74169	64	1.77	0.9954
5209	nonanoic_acid__g	5030	LDPE	5030	PET	41708	74169	64	0.56	1.0000
5212	nonanoic_acid__g	3040	LDPE	3040	PET	32043	74169	64	0.43	1.0000
5251	nonanoic_acid__g	3042	LDPE	3042	PET	-11220	74169	64	-0.15	1.0000

interaction for package*temptime

Obs	dep var	temp time	Pack age	temp time	_Pack age	Estimate	StdErr	df	tVal ue	Adjp
5306	nonanoic_acid__g	3046	LDPE	3046	PET	4904.25	74169	64	0.07	1.0000
5332	nonanoic_acid__g	4034	LDPE	4034	PET	10716	74169	64	0.14	1.0000
5351	nonanoic_acid__g	4036	LDPE	4036	PET	6879.25	74169	64	0.09	1.0000
5380	nonanoic_acid__g	4038	LDPE	4038	PET	27820	74169	64	0.38	1.0000
5397	nonanoic_acid__g	4040	LDPE	4040	PET	35370	74169	64	0.48	1.0000
5414	nonanoic_acid__g	5026	LDPE	5026	PET	37252	74169	64	0.50	1.0000
5427	nonanoic_acid__g	5028	LDPE	5028	PET	12701	74169	64	0.17	1.0000
5449	nonanoic_acid__g	5032	LDPE	5032	PET	32615	74169	64	0.44	1.0000
5496	undecanal__cocon	6028	LDPE	6028	PET	265363	53349	64	4.97	0.0020
5497	undecanal__cocon	6024	LDPE	6024	PET	261773	53349	64	4.91	0.0025
5538	undecanal__cocon	6026	LDPE	6026	PET	126382	53349	64	2.37	0.8627
5554	undecanal__cocon	3044	LDPE	3044	PET	88180	53349	64	1.65	0.9984
5570	undecanal__cocon	6022	LDPE	6022	PET	74216	53349	64	1.39	0.9999
5663	undecanal__cocon	5030	LDPE	5030	PET	35779	53349	64	0.67	1.0000
5664	undecanal__cocon	4038	LDPE	4038	PET	35634	53349	64	0.67	1.0000
5673	undecanal__cocon	4040	LDPE	4040	PET	34035	53349	64	0.64	1.0000
5705	undecanal__cocon	3040	LDPE	3040	PET	25513	53349	64	0.48	1.0000
5744	undecanal__cocon	3042	LDPE	3042	PET	13177	53349	64	0.25	1.0000
5802	undecanal__cocon	3046	LDPE	3046	PET	10710	53349	64	0.20	1.0000
5827	undecanal__cocon	4034	LDPE	4034	PET	13702	53349	64	0.26	1.0000
5847	undecanal__cocon	4036	LDPE	4036	PET	15471	53349	64	0.29	1.0000
5907	undecanal__cocon	5026	LDPE	5026	PET	25435	53349	64	0.48	1.0000
5920	undecanal__cocon	5028	LDPE	5028	PET	19482	53349	64	0.37	1.0000
5940	undecanal__cocon	5032	LDPE	5032	PET	23815	53349	64	0.45	1.0000
5972	__decenal__acrid	6024	LDPE	6024	PET	45275	14068	64	3.22	0.2974
5984	__decenal__acrid	3046	LDPE	3046	PET	29138	14068	64	2.07	0.9634
5999	__decenal__acrid	3042	LDPE	3042	PET	24441	14068	64	1.74	0.9964
6066	__decenal__acrid	5028	LDPE	5028	PET	17053	14068	64	1.21	1.0000
6095	__decenal__acrid	3044	LDPE	3044	PET	14381	14068	64	1.02	1.0000
6101	__decenal__acrid	4034	LDPE	4034	PET	14080	14068	64	1.00	1.0000
6103	__decenal__acrid	5032	LDPE	5032	PET	-13938	14068	64	-0.99	1.0000
6140	__decenal__acrid	6028	LDPE	6028	PET	10285	14068	64	0.73	1.0000
6147	__decenal__acrid	6022	LDPE	6022	PET	-10113	14068	64	-0.72	1.0000
6184	__decenal__acrid	4036	LDPE	4036	PET	7751.75	14068	64	0.55	1.0000
6189	__decenal__acrid	3040	LDPE	3040	PET	2029.50	14068	64	0.14	1.0000
6340	__decenal__acrid	4038	LDPE	4038	PET	2878.25	14068	64	0.20	1.0000
6367	__decenal__acrid	4040	LDPE	4040	PET	3481.00	14068	64	0.25	1.0000
6390	__decenal__acrid	5026	LDPE	5026	PET	2821.25	14068	64	0.20	1.0000
6420	__decenal__acrid	5030	LDPE	5030	PET	4057.75	14068	64	0.29	1.0000
6446	__decenal__acrid	6026	LDPE	6026	PET	7542.50	14068	64	0.54	1.0000
6473	Paint_Aroma	6028	LDPE	6028	PET	6.2656	1.5452	64	4.06	0.0381
6515	Paint_Aroma	4040	LDPE	4040	PET	3.9115	1.5452	64	2.53	0.7714

Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
6548	Paint_Aroma	6024	LDPE	6024	PET	3.4194	1.5452	64	2.21	0.9263
6564	Paint_Aroma	6022	LDPE	6022	PET	3.2875	1.5452	64	2.13	0.9508
6601	Paint_Aroma	3044	LDPE	3044	PET	-2.8000	1.5452	64	-1.81	0.9934
6662	Paint_Aroma	5028	LDPE	5028	PET	-1.3786	1.5452	64	-0.89	1.0000
6675	Paint_Aroma	5026	LDPE	5026	PET	-1.2726	1.5452	64	-0.82	1.0000
6689	Paint_Aroma	5032	LDPE	5032	PET	-1.1302	1.5452	64	-0.73	1.0000
6738	Paint_Aroma	3040	LDPE	3040	PET	-0.5326	1.5452	64	-0.34	1.0000
6766	Paint_Aroma	3042	LDPE	3042	PET	-0.3569	1.5452	64	-0.23	1.0000
6817	Paint_Aroma	3046	LDPE	3046	PET	0.5736	1.5452	64	0.37	1.0000
6843	Paint_Aroma	4034	LDPE	4034	PET	0.3385	1.5452	64	0.22	1.0000
6862	Paint_Aroma	4036	LDPE	4036	PET	0.7278	1.5452	64	0.47	1.0000
6882	Paint_Aroma	4038	LDPE	4038	PET	-0.2222	1.5452	64	-0.14	1.0000
6931	Paint_Aroma	5030	LDPE	5030	PET	-0.3726	1.5452	64	-0.24	1.0000
6944	Paint_Aroma	6026	LDPE	6026	PET	-0.3569	1.5452	64	-0.23	1.0000
6992	Green_Aroma	6024	LDPE	6024	PET	1.4424	0.7411	64	1.95	0.9827
6997	Green_Aroma	6026	LDPE	6026	PET	-1.4080	0.7411	64	-1.90	0.9873
7072	Green_Aroma	5030	LDPE	5030	PET	0.9795	0.7411	64	1.32	1.0000
7125	Green_Aroma	6022	LDPE	6022	PET	0.7903	0.7411	64	1.07	1.0000
7136	Green_Aroma	4040	LDPE	4040	PET	0.7587	0.7411	64	1.02	1.0000
7171	Green_Aroma	5028	LDPE	5028	PET	-0.6059	0.7411	64	-0.82	1.0000
7214	Green_Aroma	4034	LDPE	4034	PET	0.4965	0.7411	64	0.67	1.0000
7223	Green_Aroma	5032	LDPE	5032	PET	-0.4740	0.7411	64	-0.64	1.0000
7229	Green_Aroma	5026	LDPE	5026	PET	-0.4635	0.7411	64	-0.63	1.0000
7236	Green_Aroma	4036	LDPE	4036	PET	0.4302	0.7411	64	0.58	1.0000
7243	Green_Aroma	3040	LDPE	3040	PET	0.3115	0.7411	64	0.42	1.0000
7265	Green_Aroma	3042	LDPE	3042	PET	0.2056	0.7411	64	0.28	1.0000
7297	Green_Aroma	3044	LDPE	3044	PET	-0.1542	0.7411	64	-0.21	1.0000
7310	Green_Aroma	3046	LDPE	3046	PET	-0.1167	0.7411	64	-0.16	1.0000
7377	Green_Aroma	4038	LDPE	4038	PET	0.2500	0.7411	64	0.34	1.0000
7440	Green_Aroma	6028	LDPE	6028	PET	-0.2378	0.7411	64	-0.32	1.0000
7449	Pine_Aroma	6028	LDPE	6028	PET	1.0934	0.2957	64	3.70	0.1011
7500	Pine_Aroma	5028	LDPE	5028	PET	0.4322	0.2957	64	1.46	0.9998
7511	Pine_Aroma	4034	LDPE	4034	PET	0.4132	0.2957	64	1.40	0.9999
7516	Pine_Aroma	6022	LDPE	6022	PET	0.4000	0.2957	64	1.35	1.0000
7609	Pine_Aroma	5030	LDPE	5030	PET	0.2542	0.2957	64	0.86	1.0000
7666	Pine_Aroma	3040	LDPE	3040	PET	-0.1979	0.2957	64	-0.67	1.0000
7677	Pine_Aroma	6026	LDPE	6026	PET	-0.1878	0.2957	64	-0.64	1.0000
7732	Pine_Aroma	3042	LDPE	3042	PET	0.1514	0.2957	64	0.51	1.0000
7759	Pine_Aroma	3044	LDPE	3044	PET	-0.04028	0.2957	64	-0.14	1.0000
7781	Pine_Aroma	3046	LDPE	3046	PET	0.1139	0.2957	64	0.39	1.0000
7826	Pine_Aroma	4036	LDPE	4036	PET	0.1431	0.2957	64	0.48	1.0000
7848	Pine_Aroma	4038	LDPE	4038	PET	0.06944	0.2957	64	0.23	1.0000

interaction for package*temptime

Obs	dep var	temp time	Pack age	temp time	Pack age	Estimate	StdErr	df	tValue	Adjp
7872	Pine_Aroma	4040	LDPE	4040	PET	-0.09028	0.2957	64	-0.31	1.0000
7883	Pine_Aroma	5026	LDPE	5026	PET	0.06424	0.2957	64	0.22	1.0000
7917	Pine_Aroma	5032	LDPE	5032	PET	0.1128	0.2957	64	0.38	1.0000
7928	Pine_Aroma	6024	LDPE	6024	PET	-0.09618	0.2957	64	-0.33	1.0000
7978	Fish_Aroma	3040	LDPE	3040	PET	-1.0017	0.5680	64	-1.76	0.9955
8013	Fish_Aroma	3042	LDPE	3042	PET	-0.8375	0.5680	64	-1.47	0.9998
8026	Fish_Aroma	4036	LDPE	4036	PET	-0.7997	0.5680	64	-1.41	0.9999
8041	Fish_Aroma	4040	LDPE	4040	PET	-0.7604	0.5680	64	-1.34	1.0000
8068	Fish_Aroma	3044	LDPE	3044	PET	0.6361	0.5680	64	1.12	1.0000
8075	Fish_Aroma	6024	LDPE	6024	PET	0.6219	0.5680	64	1.09	1.0000
8080	Fish_Aroma	6028	LDPE	6028	PET	0.5983	0.5680	64	1.05	1.0000
8083	Fish_Aroma	5030	LDPE	5030	PET	0.5938	0.5680	64	1.05	1.0000
8126	Fish_Aroma	6026	LDPE	6026	PET	-0.4889	0.5680	64	-0.86	1.0000
8148	Fish_Aroma	5032	LDPE	5032	PET	-0.4288	0.5680	64	-0.75	1.0000
8164	Fish_Aroma	6022	LDPE	6022	PET	0.3931	0.5680	64	0.69	1.0000
8276	Fish_Aroma	3046	LDPE	3046	PET	-0.00417	0.5680	64	-0.01	1.0000
8307	Fish_Aroma	4034	LDPE	4034	PET	0.1267	0.5680	64	0.22	1.0000
8348	Fish_Aroma	4038	LDPE	4038	PET	-0.08333	0.5680	64	-0.15	1.0000
8371	Fish_Aroma	5026	LDPE	5026	PET	-0.07986	0.5680	64	-0.14	1.0000
8391	Fish_Aroma	5028	LDPE	5028	PET	-0.1516	0.5680	64	-0.27	1.0000
8456	Sulfur_Aroma	6026	LDPE	6026	PET	0.8684	0.2348	64	3.70	0.1007
8496	Sulfur_Aroma	4036	LDPE	4036	PET	0.3757	0.2348	64	1.60	0.9990
8501	Sulfur_Aroma	6028	LDPE	6028	PET	0.3552	0.2348	64	1.51	0.9996
8517	Sulfur_Aroma	5032	LDPE	5032	PET	-0.3229	0.2348	64	-1.38	0.9999
8589	Sulfur_Aroma	4038	LDPE	4038	PET	0.2222	0.2348	64	0.95	1.0000
8612	Sulfur_Aroma	6022	LDPE	6022	PET	-0.2028	0.2348	64	-0.86	1.0000
8651	Sulfur_Aroma	4034	LDPE	4034	PET	0.1771	0.2348	64	0.75	1.0000
8662	Sulfur_Aroma	5030	LDPE	5030	PET	-0.1632	0.2348	64	-0.70	1.0000
8683	Sulfur_Aroma	5028	LDPE	5028	PET	-0.1446	0.2348	64	-0.62	1.0000
8713	Sulfur_Aroma	3040	LDPE	3040	PET	-0.07431	0.2348	64	-0.32	1.0000
8751	Sulfur_Aroma	3042	LDPE	3042	PET	0.05139	0.2348	64	0.22	1.0000
8779	Sulfur_Aroma	3044	LDPE	3044	PET	-0.1014	0.2348	64	-0.43	1.0000
8802	Sulfur_Aroma	3046	LDPE	3046	PET	0.01250	0.2348	64	0.05	1.0000
8874	Sulfur_Aroma	4040	LDPE	4040	PET	-0.05556	0.2348	64	-0.24	1.0000
8886	Sulfur_Aroma	5026	LDPE	5026	PET	-0.06424	0.2348	64	-0.27	1.0000
8925	Sulfur_Aroma	6024	LDPE	6024	PET	0.03264	0.2348	64	0.14	1.0000
8971	Solvent_Aroma	6028	LDPE	6028	PET	3.1764	1.4649	64	2.17	0.9400
8992	Solvent_Aroma	4040	LDPE	4040	PET	2.8299	1.4649	64	1.93	0.9843
9069	Solvent_Aroma	3044	LDPE	3044	PET	-1.8458	1.4649	64	-1.26	1.0000
9070	Solvent_Aroma	6024	LDPE	6024	PET	-1.8410	1.4649	64	-1.26	1.0000
9097	Solvent_Aroma	3046	LDPE	3046	PET	1.6875	1.4649	64	1.15	1.0000
9107	Solvent_Aroma	3042	LDPE	3042	PET	1.6028	1.4649	64	1.09	1.0000

interaction for package*temptime

Obs	depvar	temptime	Pack	_temptime	_Pack	Estimate	StdErr	df	tValue	Adjp
9162	Solvent_Aroma	4034	LDPE	4034	PET	-1.2326	1.4649	64	-0.84	1.0000
9212	Solvent_Aroma	6022	LDPE	6022	PET	0.9833	1.4649	64	0.67	1.0000
9218	Solvent_Aroma	4036	LDPE	4036	PET	0.9580	1.4649	64	0.65	1.0000
9246	Solvent_Aroma	3040	LDPE	3040	PET	0.6642	1.4649	64	0.45	1.0000
9364	Solvent_Aroma	4038	LDPE	4038	PET	0.08333	1.4649	64	0.06	1.0000
9390	Solvent_Aroma	5026	LDPE	5026	PET	-0.7083	1.4649	64	-0.48	1.0000
9401	Solvent_Aroma	5028	LDPE	5028	PET	-0.2952	1.4649	64	-0.20	1.0000
9408	Solvent_Aroma	5030	LDPE	5030	PET	0.1653	1.4649	64	0.11	1.0000
9416	Solvent_Aroma	5032	LDPE	5032	PET	-0.02778	1.4649	64	-0.02	1.0000
9424	Solvent_Aroma	6026	LDPE	6026	PET	-0.4028	1.4649	64	-0.27	1.0000
9427	Cardboard_Aroma	3044	LDPE	3044	PET	3.1722	0.6763	64	4.69	0.0052
9479	Cardboard_Aroma	6028	LDPE	6028	PET	1.9212	0.6763	64	2.84	0.5530
9496	Cardboard_Aroma	3046	LDPE	3046	PET	1.4792	0.6763	64	2.19	0.9344
9497	Cardboard_Aroma	3040	LDPE	3040	PET	1.4701	0.6763	64	2.17	0.9384
9595	Cardboard_Aroma	6024	LDPE	6024	PET	0.7233	0.6763	64	1.07	1.0000
9606	Cardboard_Aroma	6026	LDPE	6026	PET	-0.7014	0.6763	64	-1.04	1.0000
9610	Cardboard_Aroma	4034	LDPE	4034	PET	0.6875	0.6763	64	1.02	1.0000
9623	Cardboard_Aroma	5028	LDPE	5028	PET	-0.6407	0.6763	64	-0.95	1.0000
9635	Cardboard_Aroma	4038	LDPE	4038	PET	0.6111	0.6763	64	0.90	1.0000
9636	Cardboard_Aroma	4036	LDPE	4036	PET	0.6097	0.6763	64	0.90	1.0000
9743	Cardboard_Aroma	3042	LDPE	3042	PET	-0.3708	0.6763	64	-0.55	1.0000
9846	Cardboard_Aroma	4040	LDPE	4040	PET	0.2934	0.6763	64	0.43	1.0000
9866	Cardboard_Aroma	5026	LDPE	5026	PET	-0.3455	0.6763	64	-0.51	1.0000
9895	Cardboard_Aroma	5030	LDPE	5030	PET	-0.01181	0.6763	64	-0.02	1.0000
9900	Cardboard_Aroma	5032	LDPE	5032	PET	-0.1337	0.6763	64	-0.20	1.0000
9911	Cardboard_Aroma	6022	LDPE	6022	PET	0.04444	0.6763	64	0.07	1.0000
10000	Fruity_Floral_Ar	5030	LDPE	5030	PET	1.1740	0.6039	64	1.94	0.9829
10014	Fruity_Floral_Ar	5026	LDPE	5026	PET	-1.0937	0.6039	64	-1.81	0.9934
10026	Fruity_Floral_Ar	3040	LDPE	3040	PET	-1.0156	0.6039	64	-1.68	0.9978
10054	Fruity_Floral_Ar	3044	LDPE	3044	PET	-0.9028	0.6039	64	-1.49	0.9997
10109	Fruity_Floral_Ar	6026	LDPE	6026	PET	-0.6635	0.6039	64	-1.10	1.0000
10112	Fruity_Floral_Ar	3042	LDPE	3042	PET	-0.6431	0.6039	64	-1.06	1.0000
10113	Fruity_Floral_Ar	4038	LDPE	4038	PET	-0.6389	0.6039	64	-1.06	1.0000
10206	Fruity_Floral_Ar	4036	LDPE	4036	PET	-0.4260	0.6039	64	-0.71	1.0000
10208	Fruity_Floral_Ar	4034	LDPE	4034	PET	-0.4236	0.6039	64	-0.70	1.0000
10210	Fruity_Floral_Ar	3046	LDPE	3046	PET	-0.4167	0.6039	64	-0.69	1.0000
10351	Fruity_Floral_Ar	4040	LDPE	4040	PET	-0.2830	0.6039	64	-0.47	1.0000
10378	Fruity_Floral_Ar	5028	LDPE	5028	PET	0.1742	0.6039	64	0.29	1.0000
10400	Fruity_Floral_Ar	5032	LDPE	5032	PET	-0.1562	0.6039	64	-0.26	1.0000
10407	Fruity_Floral_Ar	6022	LDPE	6022	PET	0.09861	0.6039	64	0.16	1.0000
10412	Fruity_Floral_Ar	6024	LDPE	6024	PET	0.2872	0.6039	64	0.48	1.0000
10416	Fruity_Floral_Ar	6028	LDPE	6028	PET	0.06632	0.6039	64	0.11	1.0000

interaction for package*temptime

Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
10470	Musty_Aroma	6028	LDPE	6028	PET	1.8889	0.8296	64	2.28	0.9032
10504	Musty_Aroma	4040	LDPE	4040	PET	1.5590	0.8296	64	1.88	0.9890
10512	Musty_Aroma	4038	LDPE	4038	PET	1.4861	0.8296	64	1.79	0.9944
10526	Musty_Aroma	4034	LDPE	4034	PET	1.3628	0.8296	64	1.64	0.9985
10543	Musty_Aroma	3040	LDPE	3040	PET	1.2340	0.8296	64	1.49	0.9997
10545	Musty_Aroma	4036	LDPE	4036	PET	1.2264	0.8296	64	1.48	0.9998
10553	Musty_Aroma	6026	LDPE	6026	PET	-1.1830	0.8296	64	-1.43	0.9999
10566	Musty_Aroma	6024	LDPE	6024	PET	1.1545	0.8296	64	1.39	0.9999
10601	Musty_Aroma	6022	LDPE	6022	PET	1.0333	0.8296	64	1.25	1.0000
10685	Musty_Aroma	3046	LDPE	3046	PET	0.6972	0.8296	64	0.84	1.0000
10761	Musty_Aroma	3042	LDPE	3042	PET	-0.4194	0.8296	64	-0.51	1.0000
10779	Musty_Aroma	3044	LDPE	3044	PET	-0.4056	0.8296	64	-0.49	1.0000
10849	Musty_Aroma	5026	LDPE	5026	PET	0.06771	0.8296	64	0.08	1.0000
10870	Musty_Aroma	5028	LDPE	5028	PET	-0.2086	0.8296	64	-0.25	1.0000
10885	Musty_Aroma	5030	LDPE	5030	PET	0.1444	0.8296	64	0.17	1.0000
10897	Musty_Aroma	5032	LDPE	5032	PET	-0.3385	0.8296	64	-0.41	1.0000
10933	Stale_Nut_Aroma	4036	LDPE	4036	PET	0.8906	0.3930	64	2.27	0.9073
10958	Stale_Nut_Aroma	6024	LDPE	6024	PET	0.7194	0.3930	64	1.83	0.9923
10972	Stale_Nut_Aroma	3040	LDPE	3040	PET	-0.6128	0.3930	64	-1.56	0.9994
11062	Stale_Nut_Aroma	5028	LDPE	5028	PET	0.3928	0.3930	64	1.00	1.0000
11067	Stale_Nut_Aroma	4040	LDPE	4040	PET	-0.3854	0.3930	64	-0.98	1.0000
11087	Stale_Nut_Aroma	5026	LDPE	5026	PET	0.3576	0.3930	64	0.91	1.0000
11093	Stale_Nut_Aroma	6022	LDPE	6022	PET	0.3458	0.3930	64	0.88	1.0000
11210	Stale_Nut_Aroma	3042	LDPE	3042	PET	0.1097	0.3930	64	0.28	1.0000
11245	Stale_Nut_Aroma	3044	LDPE	3044	PET	0.1556	0.3930	64	0.40	1.0000
11273	Stale_Nut_Aroma	3046	LDPE	3046	PET	-0.1000	0.3930	64	-0.25	1.0000
11296	Stale_Nut_Aroma	4034	LDPE	4034	PET	-0.2118	0.3930	64	-0.54	1.0000
11331	Stale_Nut_Aroma	4038	LDPE	4038	PET	0.08333	0.3930	64	0.21	1.0000
11378	Stale_Nut_Aroma	5030	LDPE	5030	PET	-0.07222	0.3930	64	-0.18	1.0000
11388	Stale_Nut_Aroma	5032	LDPE	5032	PET	0.05382	0.3930	64	0.14	1.0000
11405	Stale_Nut_Aroma	6026	LDPE	6026	PET	0.06111	0.3930	64	0.16	1.0000
11408	Stale_Nut_Aroma	6028	LDPE	6028	PET	0.1958	0.3930	64	0.50	1.0000
11458	Paint_Flavor	3044	LDPE	3044	PET	-8.0625	3.4220	64	-2.36	0.8689
11489	Paint_Flavor	6022	LDPE	6022	PET	6.2042	3.4220	64	1.81	0.9933
11522	Paint_Flavor	3046	LDPE	3046	PET	4.7583	3.4220	64	1.39	0.9999
11569	Paint_Flavor	6026	LDPE	6026	PET	3.5385	3.4220	64	1.03	1.0000
11602	Paint_Flavor	6028	LDPE	6028	PET	2.8222	3.4220	64	0.82	1.0000
11653	Paint_Flavor	5028	LDPE	5028	PET	-2.1083	3.4220	64	-0.62	1.0000
11655	Paint_Flavor	4040	LDPE	4040	PET	2.0642	3.4220	64	0.60	1.0000
11670	Paint_Flavor	3040	LDPE	3040	PET	-1.5160	3.4220	64	-0.44	1.0000
11710	Paint_Flavor	3042	LDPE	3042	PET	-0.9417	3.4220	64	-0.28	1.0000
11759	Paint_Flavor	4034	LDPE	4034	PET	0.2135	3.4220	64	0.06	1.0000

Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
11790	Paint_Flavor	4036	LDPE	4036	PET	-1.2063	3.4220	64	-0.35	1.0000
11817	Paint_Flavor	4038	LDPE	4038	PET	0.2778	3.4220	64	0.08	1.0000
11854	Paint_Flavor	5026	LDPE	5026	PET	0.8837	3.4220	64	0.26	1.0000
11882	Paint_Flavor	5030	LDPE	5030	PET	-1.4681	3.4220	64	-0.43	1.0000
11892	Paint_Flavor	5032	LDPE	5032	PET	-0.9427	3.4220	64	-0.28	1.0000
11901	Paint_Flavor	6024	LDPE	6024	PET	-1.1403	3.4220	64	-0.33	1.0000
11940	Green_Flavor	3044	LDPE	3044	PET	-2.0486	0.9718	64	-2.11	0.9555
11997	Green_Flavor	6028	LDPE	6028	PET	1.3097	0.9718	64	1.35	1.0000
12006	Green_Flavor	6026	LDPE	6026	PET	-1.2045	0.9718	64	-1.24	1.0000
12035	Green_Flavor	4040	LDPE	4040	PET	0.9844	0.9718	64	1.01	1.0000
12086	Green_Flavor	6022	LDPE	6022	PET	0.7625	0.9718	64	0.78	1.0000
12093	Green_Flavor	3042	LDPE	3042	PET	-0.7431	0.9718	64	-0.76	1.0000
12136	Green_Flavor	6024	LDPE	6024	PET	0.6309	0.9718	64	0.65	1.0000
12163	Green_Flavor	5028	LDPE	5028	PET	-0.5580	0.9718	64	-0.57	1.0000
12168	Green_Flavor	3040	LDPE	3040	PET	0.2306	0.9718	64	0.24	1.0000
12258	Green_Flavor	3046	LDPE	3046	PET	-0.2403	0.9718	64	-0.25	1.0000
12286	Green_Flavor	4034	LDPE	4034	PET	0.2552	0.9718	64	0.26	1.0000
12307	Green_Flavor	4036	LDPE	4036	PET	0.3250	0.9718	64	0.33	1.0000
12328	Green_Flavor	4038	LDPE	4038	PET	-0.4722	0.9718	64	-0.49	1.0000
12352	Green_Flavor	5026	LDPE	5026	PET	-0.05208	0.9718	64	-0.05	1.0000
12377	Green_Flavor	5030	LDPE	5030	PET	0.3024	0.9718	64	0.31	1.0000
12387	Green_Flavor	5032	LDPE	5032	PET	0.2639	0.9718	64	0.27	1.0000
12411	Pine_Flavor	3044	LDPE	3044	PET	-4.1069	1.0536	64	-3.90	0.0594
12440	Pine_Flavor	6028	LDPE	6028	PET	1.5354	1.0536	64	1.46	0.9998
12474	Pine_Flavor	5030	LDPE	5030	PET	-1.1562	1.0536	64	-1.10	1.0000
12503	Pine_Flavor	3040	LDPE	3040	PET	-0.4514	1.0536	64	-0.43	1.0000
12556	Pine_Flavor	3042	LDPE	3042	PET	-0.4625	1.0536	64	-0.44	1.0000
12627	Pine_Flavor	3046	LDPE	3046	PET	0.1583	1.0536	64	0.15	1.0000
12671	Pine_Flavor	4034	LDPE	4034	PET	0.3767	1.0536	64	0.36	1.0000
12712	Pine_Flavor	4036	LDPE	4036	PET	-0.4743	1.0536	64	-0.45	1.0000
12748	Pine_Flavor	4038	LDPE	4038	PET	0.02778	1.0536	64	0.03	1.0000
12781	Pine_Flavor	4040	LDPE	4040	PET	0.1250	1.0536	64	0.12	1.0000
12810	Pine_Flavor	5026	LDPE	5026	PET	-0.5035	1.0536	64	-0.48	1.0000
12831	Pine_Flavor	5028	LDPE	5028	PET	0.1574	1.0536	64	0.15	1.0000
12861	Pine_Flavor	5032	LDPE	5032	PET	0.06076	1.0536	64	0.06	1.0000
12876	Pine_Flavor	6022	LDPE	6022	PET	-0.1931	1.0536	64	-0.18	1.0000
12887	Pine_Flavor	6024	LDPE	6024	PET	-0.00035	1.0536	64	-0.00	1.0000
12894	Pine_Flavor	6026	LDPE	6026	PET	0.09618	1.0536	64	0.09	1.0000
12914	Fish_Flavor	4034	LDPE	4034	PET	1.8924	0.7500	64	2.52	0.7766
12924	Fish_Flavor	4036	LDPE	4036	PET	-1.7649	0.7500	64	-2.35	0.8702
12959	Fish_Flavor	6026	LDPE	6026	PET	-1.3896	0.7500	64	-1.85	0.9910
12990	Fish_Flavor	3042	LDPE	3042	PET	-1.1500	0.7500	64	-1.53	0.9995

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Obs	dep var	temp time	Pack age	temp time	Pack age	Estimate	StdErr	df	t Value	Adjp
13038	Fish_Flavor	5026	LDPE	5026	PET	0.9323	0.7500	64	1.24	1.0000
13084	Fish_Flavor	6024	LDPE	6024	PET	0.7639	0.7500	64	1.02	1.0000
13097	Fish_Flavor	5032	LDPE	5032	PET	-0.7240	0.7500	64	-0.97	1.0000
13143	Fish_Flavor	3044	LDPE	3044	PET	0.5931	0.7500	64	0.79	1.0000
13204	Fish_Flavor	6028	LDPE	6028	PET	0.4233	0.7500	64	0.56	1.0000
13205	Fish_Flavor	3040	LDPE	3040	PET	-0.1451	0.7500	64	-0.19	1.0000
13266	Fish_Flavor	3046	LDPE	3046	PET	-0.2181	0.7500	64	-0.29	1.0000
13316	Fish_Flavor	4038	LDPE	4038	PET	-0.3472	0.7500	64	-0.46	1.0000
13327	Fish_Flavor	4040	LDPE	4040	PET	-0.2431	0.7500	64	-0.32	1.0000
13351	Fish_Flavor	5028	LDPE	5028	PET	0.3446	0.7500	64	0.46	1.0000
13367	Fish_Flavor	5030	LDPE	5030	PET	0.1094	0.7500	64	0.15	1.0000
13384	Fish_Flavor	6022	LDPE	6022	PET	0.4028	0.7500	64	0.54	1.0000
13397	Sulfur_Flavor	6026	LDPE	6026	PET	1.4813	0.3806	64	3.89	0.0603
13459	Sulfur_Flavor	4040	LDPE	4040	PET	0.6059	0.3806	64	1.59	0.9991
13463	Sulfur_Flavor	6028	LDPE	6028	PET	0.5899	0.3806	64	1.55	0.9994
13489	Sulfur_Flavor	6022	LDPE	6022	PET	0.4528	0.3806	64	1.19	1.0000
13573	Sulfur_Flavor	3044	LDPE	3044	PET	-0.2875	0.3806	64	-0.76	1.0000
13629	Sulfur_Flavor	3040	LDPE	3040	PET	-0.2111	0.3806	64	-0.55	1.0000
13672	Sulfur_Flavor	3042	LDPE	3042	PET	-0.05833	0.3806	64	-0.15	1.0000
13724	Sulfur_Flavor	3046	LDPE	3046	PET	0.1514	0.3806	64	0.40	1.0000
13742	Sulfur_Flavor	4034	LDPE	4034	PET	-0.1493	0.3806	64	-0.39	1.0000
13774	Sulfur_Flavor	4036	LDPE	4036	PET	-0.1899	0.3806	64	-0.50	1.0000
13799	Sulfur_Flavor	4038	LDPE	4038	PET	0.1806	0.3806	64	0.47	1.0000
13829	Sulfur_Flavor	5026	LDPE	5026	PET	-0.04861	0.3806	64	-0.13	1.0000
13846	Sulfur_Flavor	5028	LDPE	5028	PET	0.07353	0.3806	64	0.19	1.0000
13862	Sulfur_Flavor	5030	LDPE	5030	PET	-0.1767	0.3806	64	-0.46	1.0000
13873	Sulfur_Flavor	5032	LDPE	5032	PET	0.1146	0.3806	64	0.30	1.0000
13886	Sulfur_Flavor	6024	LDPE	6024	PET	0.03576	0.3806	64	0.09	1.0000
13974	Solvent_Flavor	3044	LDPE	3044	PET	3.6361	1.6388	64	2.22	0.9243
13995	Solvent_Flavor	5032	LDPE	5032	PET	-3.2708	1.6388	64	-2.00	0.9763
14005	Solvent_Flavor	3046	LDPE	3046	PET	3.1111	1.6388	64	1.90	0.9875
14011	Solvent_Flavor	4038	LDPE	4038	PET	3.0139	1.6388	64	1.84	0.9918
14055	Solvent_Flavor	6026	LDPE	6026	PET	2.3000	1.6388	64	1.40	0.9999
14136	Solvent_Flavor	4040	LDPE	4040	PET	1.5295	1.6388	64	0.93	1.0000
14163	Solvent_Flavor	3042	LDPE	3042	PET	1.3375	1.6388	64	0.82	1.0000
14168	Solvent_Flavor	4034	LDPE	4034	PET	-1.2969	1.6388	64	-0.79	1.0000
14170	Solvent_Flavor	6022	LDPE	6022	PET	1.2889	1.6388	64	0.79	1.0000
14189	Solvent_Flavor	6028	LDPE	6028	PET	1.1556	1.6388	64	0.71	1.0000
14203	Solvent_Flavor	5030	LDPE	5030	PET	-1.0462	1.6388	64	-0.64	1.0000
14209	Solvent_Flavor	3040	LDPE	3040	PET	-1.0191	1.6388	64	-0.62	1.0000
14226	Solvent_Flavor	5028	LDPE	5028	PET	-0.9146	1.6388	64	-0.56	1.0000
14315	Solvent_Flavor	4036	LDPE	4036	PET	-0.6670	1.6388	64	-0.41	1.0000

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Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
14344	Solvent_Flavor	5026	LDPE	5026	PET	-0.3663	1.6388	64	-0.22	1.0000
14381	Solvent_Flavor	6024	LDPE	6024	PET	-0.6049	1.6388	64	-0.37	1.0000
14391	Cardboard_Flavor	3046	LDPE	3046	PET	9.4556	1.7910	64	5.28	0.0007
14432	Cardboard_Flavor	4040	LDPE	4040	PET	6.4878	1.7910	64	3.62	0.1219
14467	Cardboard_Flavor	3040	LDPE	3040	PET	4.6979	1.7910	64	2.62	0.7108
14476	Cardboard_Flavor	3044	LDPE	3044	PET	4.3889	1.7910	64	2.45	0.8198
14505	Cardboard_Flavor	5032	LDPE	5032	PET	2.8663	1.7910	64	1.60	0.9990
14510	Cardboard_Flavor	4038	LDPE	4038	PET	2.7639	1.7910	64	1.54	0.9995
14540	Cardboard_Flavor	4034	LDPE	4034	PET	2.3646	1.7910	64	1.32	1.0000
14598	Cardboard_Flavor	4036	LDPE	4036	PET	1.7146	1.7910	64	0.96	1.0000
14608	Cardboard_Flavor	6022	LDPE	6022	PET	1.6417	1.7910	64	0.92	1.0000
14714	Cardboard_Flavor	3042	LDPE	3042	PET	-0.4264	1.7910	64	-0.24	1.0000
14820	Cardboard_Flavor	5026	LDPE	5026	PET	-0.4132	1.7910	64	-0.23	1.0000
14834	Cardboard_Flavor	5028	LDPE	5028	PET	0.01951	1.7910	64	0.01	1.0000
14847	Cardboard_Flavor	5030	LDPE	5030	PET	0.1101	1.7910	64	0.06	1.0000
14869	Cardboard_Flavor	6024	LDPE	6024	PET	-0.08681	1.7910	64	-0.05	1.0000
14876	Cardboard_Flavor	6026	LDPE	6026	PET	-0.03021	1.7910	64	-0.02	1.0000
14880	Cardboard_Flavor	6028	LDPE	6028	PET	0.7399	1.7910	64	0.41	1.0000
14908	Fruity_Floral_Fl	3040	LDPE	3040	PET	-1.5965	0.4395	64	-3.63	0.1189
14973	Fruity_Floral_Fl	5026	LDPE	5026	PET	-0.6892	0.4395	64	-1.57	0.9993
14985	Fruity_Floral_Fl	4038	LDPE	4038	PET	0.6389	0.4395	64	1.45	0.9998
15038	Fruity_Floral_Fl	5030	LDPE	5030	PET	-0.4819	0.4395	64	-1.10	1.0000
15051	Fruity_Floral_Fl	6024	LDPE	6024	PET	0.4503	0.4395	64	1.02	1.0000
15058	Fruity_Floral_Fl	6022	LDPE	6022	PET	-0.4306	0.4395	64	-0.98	1.0000
15061	Fruity_Floral_Fl	4034	LDPE	4034	PET	-0.4219	0.4395	64	-0.96	1.0000
15096	Fruity_Floral_Fl	5032	LDPE	5032	PET	-0.3611	0.4395	64	-0.82	1.0000
15131	Fruity_Floral_Fl	6028	LDPE	6028	PET	0.3132	0.4395	64	0.71	1.0000
15153	Fruity_Floral_Fl	3046	LDPE	3046	PET	-0.2847	0.4395	64	-0.65	1.0000
15156	Fruity_Floral_Fl	4040	LDPE	4040	PET	-0.2778	0.4395	64	-0.63	1.0000
15189	Fruity_Floral_Fl	3042	LDPE	3042	PET	-0.08056	0.4395	64	-0.18	1.0000
15222	Fruity_Floral_Fl	3044	LDPE	3044	PET	-0.2139	0.4395	64	-0.49	1.0000
15285	Fruity_Floral_Fl	4036	LDPE	4036	PET	-0.2403	0.4395	64	-0.55	1.0000
15334	Fruity_Floral_Fl	5028	LDPE	5028	PET	0.1319	0.4395	64	0.30	1.0000
15374	Fruity_Floral_Fl	6026	LDPE	6026	PET	-0.04097	0.4395	64	-0.09	1.0000
15398	Musty_Flavor	3040	LDPE	3040	PET	4.1184	1.2332	64	3.34	0.2328
15429	Musty_Flavor	4040	LDPE	4040	PET	3.2448	1.2332	64	2.63	0.7052
15448	Musty_Flavor	3046	LDPE	3046	PET	2.8056	1.2332	64	2.28	0.9039
15477	Musty_Flavor	4038	LDPE	4038	PET	2.4028	1.2332	64	1.95	0.9824
15495	Musty_Flavor	6026	LDPE	6026	PET	-2.1875	1.2332	64	-1.77	0.9951
15545	Musty_Flavor	6028	LDPE	6028	PET	1.7073	1.2332	64	1.38	0.9999
15573	Musty_Flavor	4036	LDPE	4036	PET	1.5306	1.2332	64	1.24	1.0000
15574	Musty_Flavor	6024	LDPE	6024	PET	1.5160	1.2332	64	1.23	1.0000

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Obs	depvar	temptime	Package	_temptime	_Package	Estimate	StdErr	df	tValue	Adjp
15639	Musty_Flavor	6022	LDPE	6022	PET	1.0819	1.2332	64	0.88	1.0000
15689	Musty_Flavor	4034	LDPE	4034	PET	0.8281	1.2332	64	0.67	1.0000
15698	Musty_Flavor	5030	LDPE	5030	PET	0.7618	1.2332	64	0.62	1.0000
15729	Musty_Flavor	3042	LDPE	3042	PET	0.5847	1.2332	64	0.47	1.0000
15757	Musty_Flavor	3044	LDPE	3044	PET	0.2764	1.2332	64	0.22	1.0000
15819	Musty_Flavor	5026	LDPE	5026	PET	-0.2222	1.2332	64	-0.18	1.0000
15829	Musty_Flavor	5028	LDPE	5028	PET	0.3268	1.2332	64	0.27	1.0000
15856	Musty_Flavor	5032	LDPE	5032	PET	-0.6302	1.2332	64	-0.51	1.0000
15917	Stale_Nut_Flavor	4040	LDPE	4040	PET	-1.7483	1.0893	64	-1.60	0.9990
15926	Stale_Nut_Flavor	6024	LDPE	6024	PET	1.6715	1.0893	64	1.53	0.9995
15944	Stale_Nut_Flavor	3042	LDPE	3042	PET	-1.5111	1.0893	64	-1.39	0.9999
15968	Stale_Nut_Flavor	6028	LDPE	6028	PET	1.2715	1.0893	64	1.17	1.0000
15994	Stale_Nut_Flavor	5026	LDPE	5026	PET	1.1597	1.0893	64	1.06	1.0000
16075	Stale_Nut_Flavor	4034	LDPE	4034	PET	0.8559	1.0893	64	0.79	1.0000
16107	Stale_Nut_Flavor	6026	LDPE	6026	PET	0.7847	1.0893	64	0.72	1.0000
16156	Stale_Nut_Flavor	5032	LDPE	5032	PET	0.6233	1.0893	64	0.57	1.0000
16161	Stale_Nut_Flavor	3040	LDPE	3040	PET	0.009722	1.0893	64	0.01	1.0000
16215	Stale_Nut_Flavor	3044	LDPE	3044	PET	0.1278	1.0893	64	0.12	1.0000
16243	Stale_Nut_Flavor	3046	LDPE	3046	PET	0.3556	1.0893	64	0.33	1.0000
16284	Stale_Nut_Flavor	4036	LDPE	4036	PET	-0.2934	1.0893	64	-0.27	1.0000
16305	Stale_Nut_Flavor	4038	LDPE	4038	PET	0.5972	1.0893	64	0.55	1.0000
16341	Stale_Nut_Flavor	5028	LDPE	5028	PET	0.2036	1.0893	64	0.19	1.0000
16350	Stale_Nut_Flavor	5030	LDPE	5030	PET	-0.1632	1.0893	64	-0.15	1.0000
16359	Stale_Nut_Flavor	6022	LDPE	6022	PET	0.3764	1.0893	64	0.35	1.0000
16383	__Point_Hedonic_	6028	LDPE	6028	PET	-0.6630	0.1502	63	-4.41	0.0130
16389	__Point_Hedonic_	4036	LDPE	4036	PET	-0.6300	0.1502	63	-4.19	0.0256
16393	__Point_Hedonic_	4034	LDPE	4034	PET	-0.6163	0.1502	63	-4.10	0.0335
16438	__Point_Hedonic_	3044	LDPE	3044	PET	-0.4875	0.1502	63	-3.24	0.2831
16448	__Point_Hedonic_	3040	LDPE	3040	PET	-0.4664	0.1502	63	-3.10	0.3676
16450	__Point_Hedonic_	4040	LDPE	4040	PET	-0.4631	0.1502	63	-3.08	0.3819
16468	__Point_Hedonic_	4038	LDPE	4038	PET	-0.4787	0.1680	63	-2.85	0.5462
16483	__Point_Hedonic_	3046	LDPE	3046	PET	-0.4084	0.1502	63	-2.72	0.6432
16485	__Point_Hedonic_	6024	LDPE	6024	PET	-0.4047	0.1502	63	-2.69	0.6607
16498	__Point_Hedonic_	6022	LDPE	6022	PET	-0.3909	0.1502	63	-2.60	0.7251
16505	__Point_Hedonic_	6026	LDPE	6026	PET	-0.3762	0.1502	63	-2.50	0.7880
16574	__Point_Hedonic_	3042	LDPE	3042	PET	-0.2758	0.1502	63	-1.84	0.9920
16743	__Point_Hedonic_	5030	LDPE	5030	PET	0.1140	0.1502	63	0.76	1.0000
16748	__Point_Hedonic_	5028	LDPE	5028	PET	0.1089	0.1502	63	0.72	1.0000
16752	__Point_Hedonic_	5032	LDPE	5032	PET	0.1046	0.1502	63	0.70	1.0000
16837	__Point_Hedonic_	5026	LDPE	5026	PET	-0.00985	0.1502	63	-0.07	1.0000
16876	Normal_Usage	4036	LDPE	4036	PET	0.1670	0.03754	63	4.45	0.0116
16879	Normal_Usage	3040	LDPE	3040	PET	0.1606	0.03754	63	4.28	0.0198

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Obs	depvar	temptime	Pack	_temptime	_Pack	Estimate	StdErr	df	tValue	Adjp
16890	Normal_Usage	4034	LDPE	4034	PET	0.1527	0.03754	63	4.07	0.0371
16937	Normal_Usage	3046	LDPE	3046	PET	0.1187	0.03754	63	3.16	0.3313
16964	Normal_Usage	3044	LDPE	3044	PET	0.1101	0.03754	63	2.93	0.4853
16965	Normal_Usage	6028	LDPE	6028	PET	0.1086	0.03754	63	2.89	0.5147
16978	Normal_Usage	3042	LDPE	3042	PET	0.1022	0.03754	63	2.72	0.6397
17018	Normal_Usage	4038	LDPE	4038	PET	0.1021	0.04197	63	2.43	0.8287
17021	Normal_Usage	5026	LDPE	5026	PET	0.08849	0.03754	63	2.36	0.8680
17048	Normal_Usage	4040	LDPE	4040	PET	0.07934	0.03754	63	2.11	0.9540
17101	Normal_Usage	6022	LDPE	6022	PET	0.06048	0.03754	63	1.61	0.9989
17147	Normal_Usage	5028	LDPE	5028	PET	0.04893	0.03754	63	1.30	1.0000
17204	Normal_Usage	6026	LDPE	6026	PET	0.03601	0.03754	63	0.96	1.0000
17258	Normal_Usage	6024	LDPE	6024	PET	0.02148	0.03754	63	0.57	1.0000
17343	Normal_Usage	5030	LDPE	5030	PET	0.006726	0.03754	63	0.18	1.0000
17351	Normal_Usage	5032	LDPE	5032	PET	0.02016	0.03754	63	0.54	1.0000
17373	Emergency_Usage	6028	LDPE	6028	PET	0.1515	0.03770	63	4.02	0.0426
17406	Emergency_Usage	3040	LDPE	3040	PET	0.1124	0.03770	63	2.98	0.4502
17419	Emergency_Usage	4036	LDPE	4036	PET	0.1045	0.03770	63	2.77	0.6033
17424	Emergency_Usage	6024	LDPE	6024	PET	0.1001	0.03770	63	2.65	0.6886
17431	Emergency_Usage	3044	LDPE	3044	PET	0.09786	0.03770	63	2.60	0.7291
17434	Emergency_Usage	3046	LDPE	3046	PET	0.09677	0.03770	63	2.57	0.7483
17464	Emergency_Usage	6026	LDPE	6026	PET	0.08399	0.03770	63	2.23	0.9210
17496	Emergency_Usage	5032	LDPE	5032	PET	-0.07158	0.03770	63	-1.90	0.9873
17534	Emergency_Usage	3042	LDPE	3042	PET	0.06191	0.03770	63	1.64	0.9985
17540	Emergency_Usage	4038	LDPE	4038	PET	0.06712	0.04215	63	1.59	0.9991
17549	Emergency_Usage	4034	LDPE	4034	PET	0.05876	0.03770	63	1.56	0.9994
17605	Emergency_Usage	5026	LDPE	5026	PET	-0.04583	0.03770	63	-1.22	1.0000
17612	Emergency_Usage	5028	LDPE	5028	PET	-0.04373	0.03770	63	-1.16	1.0000
17624	Emergency_Usage	5030	LDPE	5030	PET	-0.04124	0.03770	63	-1.09	1.0000
17814	Emergency_Usage	4040	LDPE	4040	PET	0.008297	0.03770	63	0.22	1.0000
17852	Emergency_Usage	6022	LDPE	6022	PET	0.003721	0.03770	63	0.10	1.0000
17879	Peroxide_Value	6028	LDPE	6028	PET	36.9305	4.5568	64	8.10	<.0001
17912	Peroxide_Value	6024	LDPE	6024	PET	24.4459	4.5568	64	5.36	0.0005
17966	Peroxide_Value	6022	LDPE	6022	PET	13.4417	4.5568	64	2.95	0.4732
17967	Peroxide_Value	6026	LDPE	6026	PET	13.3163	4.5568	64	2.92	0.4931
18063	Peroxide_Value	3040	LDPE	3040	PET	0.4114	4.5568	64	0.09	1.0000
18104	Peroxide_Value	3042	LDPE	3042	PET	0.9327	4.5568	64	0.20	1.0000
18142	Peroxide_Value	3044	LDPE	3044	PET	0.7250	4.5568	64	0.16	1.0000
18176	Peroxide_Value	3046	LDPE	3046	PET	0.8228	4.5568	64	0.18	1.0000
18206	Peroxide_Value	4034	LDPE	4034	PET	0.7643	4.5568	64	0.17	1.0000
18232	Peroxide_Value	4036	LDPE	4036	PET	1.1026	4.5568	64	0.24	1.0000
18256	Peroxide_Value	4038	LDPE	4038	PET	1.2084	4.5568	64	0.27	1.0000
18276	Peroxide_Value	4040	LDPE	4040	PET	0.7599	4.5568	64	0.17	1.0000

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Obs	dep var	temp time	Pack age	_temp time	_Pack age	Estimate	StdErr	df	tValue	Adjp
18295	Peroxide_Value	5026	LDPE	5026	PET	0.9227	4.5568	64	0.20	1.0000
18313	Peroxide_Value	5028	LDPE	5028	PET	1.8380	4.5568	64	0.40	1.0000
18328	Peroxide_Value	5030	LDPE	5030	PET	2.0144	4.5568	64	0.44	1.0000
18339	Peroxide_Value	5032	LDPE	5032	PET	2.2580	4.5568	64	0.50	1.0000

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1	Hexanal__grassy_	6024	-5000	23558	6744.34	115	3.49	0.0069
2	Hexanal__grassy_	6028	-5000	23033	6744.34	115	3.42	0.0087
3	Hexanal__grassy_	6026	-5000	18682	6744.34	115	2.77	0.0520
4	Hexanal__grassy_	6022	-5000	7987.25	6744.34	115	1.18	0.8190
5	Hexanal__grassy_	5028	-5000	5295.88	6744.34	115	0.79	0.9876
6	Hexanal__grassy_	5030	-5000	4000.13	6744.34	115	0.59	0.9992
7	Hexanal__grassy_	5032	-5000	3760.75	6744.34	115	0.56	0.9996
8	Hexanal__grassy_	3044	-5000	2852.00	6744.34	115	0.42	1.0000
9	Hexanal__grassy_	5026	-5000	2284.63	6744.34	115	0.34	1.0000
10	Hexanal__grassy_	3046	-5000	-1125.38	6744.34	115	-0.17	1.0000
11	Hexanal__grassy_	4034	-5000	-1019.75	6744.34	115	-0.15	1.0000
12	Hexanal__grassy_	3040	-5000	-344.25	6744.34	115	-0.05	1.0000
13	Hexanal__grassy_	3042	-5000	-434.63	6744.34	115	-0.06	1.0000
14	Hexanal__grassy_	4036	-5000	152.50	6744.34	115	0.02	1.0000
15	Hexanal__grassy_	4038	-5000	110.00	6744.34	115	0.02	1.0000
16	Hexanal__grassy_	4040	-5000	145.00	6744.34	115	0.02	1.0000
17	__heptanal__fat_	6028	-5000	64240	21058	115	3.05	0.0250
18	__heptanal__fat_	6026	-5000	42964	21058	115	2.04	0.2510
19	__heptanal__fat_	6024	-5000	26167	21058	115	1.24	0.7777
20	__heptanal__fat_	6022	-5000	16756	21058	115	0.80	0.9861
21	__heptanal__fat_	5032	-5000	2572.25	21058	115	0.12	1.0000
22	__heptanal__fat_	3040	-5000	-188.25	21058	115	-0.01	1.0000
23	__heptanal__fat_	3042	-5000	454.00	21058	115	0.02	1.0000
24	__heptanal__fat_	3044	-5000	554.00	21058	115	0.03	1.0000
25	__heptanal__fat_	3046	-5000	-613.50	21058	115	-0.03	1.0000
26	__heptanal__fat_	4034	-5000	-498.00	21058	115	-0.02	1.0000
27	__heptanal__fat_	4036	-5000	1031.13	21058	115	0.05	1.0000
28	__heptanal__fat_	4038	-5000	1163.88	21058	115	0.06	1.0000
29	__heptanal__fat_	4040	-5000	760.75	21058	115	0.04	1.0000
30	__heptanal__fat_	5026	-5000	1750.13	21058	115	0.08	1.0000
31	__heptanal__fat_	5028	-5000	2213.38	21058	115	0.11	1.0000
32	__heptanal__fat_	5030	-5000	2358.50	21058	115	0.11	1.0000
33	octanal__fruity_	6024	-5000	69912	16740	115	4.18	0.0007
34	octanal__fruity_	6028	-5000	40655	16740	115	2.43	0.1155
35	octanal__fruity_	6026	-5000	38462	16740	115	2.30	0.1524
36	octanal__fruity_	3044	-5000	29787	16740	115	1.78	0.3906
37	octanal__fruity_	5032	-5000	27242	16740	115	1.63	0.4904
38	octanal__fruity_	5028	-5000	26954	16740	115	1.61	0.5025
39	octanal__fruity_	5030	-5000	26323	16740	115	1.57	0.5294
40	octanal__fruity_	6022	-5000	23986	16740	115	1.43	0.6336
41	octanal__fruity_	5026	-5000	20383	16740	115	1.22	0.7957
42	octanal__fruity_	3040	-5000	16560	16740	115	0.99	0.9309
43	octanal__fruity_	4040	-5000	15824	16740	115	0.95	0.9485
44	octanal__fruity_	3042	-5000	14794	16740	115	0.88	0.9680
45	octanal__fruity_	4038	-5000	14478	16740	115	0.86	0.9728
46	octanal__fruity_	4036	-5000	13688	16740	115	0.82	0.9826
47	octanal__fruity_	3046	-5000	12903	16740	115	0.77	0.9894
48	octanal__fruity_	4034	-5000	10933	16740	115	0.65	0.9978
49	__octanal__fat_s	6028	-5000	70141	22391	115	3.13	0.0199
50	__octanal__fat_s	6026	-5000	40762	22391	115	1.82	0.3659

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
51	__octanal__fat_s	6024	-5000	32658	22391	115	1.46	0.6140
52	__octanal__fat_s	6022	-5000	15971	22391	115	0.71	0.9948
53	__octanal__fat_s	5028	-5000	8651.50	22391	115	0.39	1.0000
54	__octanal__fat_s	3044	-5000	7425.75	22391	115	0.33	1.0000
55	__octanal__fat_s	5030	-5000	7425.13	22391	115	0.33	1.0000
56	__octanal__fat_s	5032	-5000	7320.13	22391	115	0.33	1.0000
57	__octanal__fat_s	5026	-5000	6253.38	22391	115	0.28	1.0000
58	__octanal__fat_s	4038	-5000	5745.25	22391	115	0.26	1.0000
59	__octanal__fat_s	4036	-5000	5692.50	22391	115	0.25	1.0000
60	__octanal__fat_s	4040	-5000	5668.88	22391	115	0.25	1.0000
61	__octanal__fat_s	3042	-5000	5377.63	22391	115	0.24	1.0000
62	__octanal__fat_s	3040	-5000	5250.38	22391	115	0.23	1.0000
63	__octanal__fat_s	3046	-5000	4617.63	22391	115	0.21	1.0000
64	__octanal__fat_s	4034	-5000	4312.13	22391	115	0.19	1.0000
65	octanone__soap_g	6024	-5000	20014	2935.58	115	6.82	<.0001
66	octanone__soap_g	5028	-5000	11678	2935.58	115	3.98	0.0014
67	octanone__soap_g	4036	-5000	5286.00	2935.58	115	1.80	0.3777
68	octanone__soap_g	6028	-5000	5127.38	2935.58	115	1.75	0.4110
69	octanone__soap_g	5030	-5000	4790.13	2935.58	115	1.63	0.4874
70	octanone__soap_g	6022	-5000	3809.38	2935.58	115	1.30	0.7369
71	octanone__soap_g	6026	-5000	3792.63	2935.58	115	1.29	0.7411
72	octanone__soap_g	4038	-5000	3754.63	2935.58	115	1.28	0.7508
73	octanone__soap_g	5032	-5000	3242.88	2935.58	115	1.10	0.8706
74	octanone__soap_g	3042	-5000	2995.75	2935.58	115	1.02	0.9165
75	octanone__soap_g	5026	-5000	2823.63	2935.58	115	0.96	0.9423
76	octanone__soap_g	4034	-5000	2275.75	2935.58	115	0.78	0.9889
77	octanone__soap_g	4040	-5000	1791.75	2935.58	115	0.61	0.9989
78	octanone__soap_g	3044	-5000	1609.88	2935.58	115	0.55	0.9997
79	octanone__soap_g	3046	-5000	1177.00	2935.58	115	0.40	1.0000
80	octanone__soap_g	3040	-5000	1165.25	2935.58	115	0.40	1.0000
81	heptanoic_acid__	6026	-5000	8321.00	2240.05	115	3.71	0.0034
82	heptanoic_acid__	5028	-5000	6876.00	2240.05	115	3.07	0.0237
83	heptanoic_acid__	6024	-5000	6519.25	2240.05	115	2.91	0.0364
84	heptanoic_acid__	4040	-5000	5901.88	2240.05	115	2.63	0.0723
85	heptanoic_acid__	3046	-5000	5835.00	2240.05	115	2.60	0.0775
86	heptanoic_acid__	6028	-5000	5799.87	2240.05	115	2.59	0.0804
87	heptanoic_acid__	5032	-5000	5749.63	2240.05	115	2.57	0.0847
88	heptanoic_acid__	5030	-5000	5451.50	2240.05	115	2.43	0.1142
89	heptanoic_acid__	3044	-5000	5391.38	2240.05	115	2.41	0.1211
90	heptanoic_acid__	3042	-5000	5380.13	2240.05	115	2.40	0.1224
91	heptanoic_acid__	4038	-5000	5293.25	2240.05	115	2.36	0.1330
92	heptanoic_acid__	4036	-5000	5104.38	2240.05	115	2.28	0.1585
93	heptanoic_acid__	6022	-5000	4991.38	2240.05	115	2.23	0.1754
94	heptanoic_acid__	3040	-5000	4904.63	2240.05	115	2.19	0.1894
95	heptanoic_acid__	4034	-5000	4528.25	2240.05	115	2.02	0.2597
96	heptanoic_acid__	5026	-5000	4351.63	2240.05	115	1.94	0.2984
97	nonanal__fruity_	6024	-5000	321652	82239	115	3.91	0.0017
98	nonanal__fruity_	6026	-5000	161930	82239	115	1.97	0.2850
99	nonanal__fruity_	6028	-5000	158919	82239	115	1.93	0.3037
100	nonanal__fruity_	3044	-5000	136826	82239	115	1.66	0.4654

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
101	nonanal__fruity_	5032	-5000	95353	82239	115	1.16	0.8358
102	nonanal__fruity_	5030	-5000	89426	82239	115	1.09	0.8808
103	nonanal__fruity_	5028	-5000	84950	82239	115	1.03	0.9104
104	nonanal__fruity_	6022	-5000	84006	82239	115	1.02	0.9160
105	nonanal__fruity_	4040	-5000	64017	82239	115	0.78	0.9885
106	nonanal__fruity_	5026	-5000	62401	82239	115	0.76	0.9908
107	nonanal__fruity_	3040	-5000	60353	82239	115	0.73	0.9932
108	nonanal__fruity_	4038	-5000	59850	82239	115	0.73	0.9937
109	nonanal__fruity_	3046	-5000	48989	82239	115	0.60	0.9992
110	nonanal__fruity_	4036	-5000	46602	82239	115	0.57	0.9995
111	nonanal__fruity_	3042	-5000	45833	82239	115	0.56	0.9996
112	nonanal__fruity_	4034	-5000	33037	82239	115	0.40	1.0000
113	nonanol__fat_gre	6024	-5000	22708	9013.33	115	2.52	0.0944
114	nonanol__fat_gre	6028	-5000	18534	9013.33	115	2.06	0.2438
115	nonanol__fat_gre	6022	-5000	6908.50	9013.33	115	0.77	0.9900
116	nonanol__fat_gre	6026	-5000	6146.88	9013.33	115	0.68	0.9967
117	nonanol__fat_gre	5028	-5000	5843.38	9013.33	115	0.65	0.9980
118	nonanol__fat_gre	4036	-5000	3438.88	9013.33	115	0.38	1.0000
119	nonanol__fat_gre	5030	-5000	3388.00	9013.33	115	0.38	1.0000
120	nonanol__fat_gre	3042	-5000	3046.00	9013.33	115	0.34	1.0000
121	nonanol__fat_gre	3044	-5000	3039.25	9013.33	115	0.34	1.0000
122	nonanol__fat_gre	5026	-5000	2966.25	9013.33	115	0.33	1.0000
123	nonanol__fat_gre	5032	-5000	2730.88	9013.33	115	0.30	1.0000
124	nonanol__fat_gre	4034	-5000	2534.75	9013.33	115	0.28	1.0000
125	nonanol__fat_gre	4040	-5000	2380.38	9013.33	115	0.26	1.0000
126	nonanol__fat_gre	4038	-5000	2351.88	9013.33	115	0.26	1.0000
127	nonanol__fat_gre	3040	-5000	2054.38	9013.33	115	0.23	1.0000
128	nonanol__fat_gre	3046	-5000	1795.75	9013.33	115	0.20	1.0000
129	__decanone__plas	6024	-5000	9459.88	1439.48	115	6.57	<.0001
130	__decanone__plas	6028	-5000	8736.37	1439.48	115	6.07	<.0001
131	__decanone__plas	6026	-5000	7104.38	1439.48	115	4.94	<.0001
132	__decanone__plas	6022	-5000	5295.50	1439.48	115	3.68	0.0038
133	__decanone__plas	5028	-5000	4562.00	1439.48	115	3.17	0.0179
134	__decanone__plas	3044	-5000	4524.13	1439.48	115	3.14	0.0193
135	__decanone__plas	4038	-5000	4308.25	1439.48	115	2.99	0.0292
136	__decanone__plas	5030	-5000	4033.13	1439.48	115	2.80	0.0480
137	__decanone__plas	4036	-5000	3945.75	1439.48	115	2.74	0.0559
138	__decanone__plas	3042	-5000	3932.25	1439.48	115	2.73	0.0572
139	__decanone__plas	5032	-5000	3925.25	1439.48	115	2.73	0.0579
140	__decanone__plas	4034	-5000	3822.88	1439.48	115	2.66	0.0687
141	__decanone__plas	3040	-5000	3736.88	1439.48	115	2.60	0.0792
142	__decanone__plas	5026	-5000	3700.88	1439.48	115	2.57	0.0839
143	__decanone__plas	4040	-5000	3597.88	1439.48	115	2.50	0.0987
144	__decanone__plas	3046	-5000	3299.00	1439.48	115	2.29	0.1543
145	nonadienal__gera	6024	-5000	24970	3328.78	115	7.50	<.0001
146	nonadienal__gera	5028	-5000	13587	3328.78	115	4.08	0.0010
147	nonadienal__gera	6028	-5000	13568	3328.78	115	4.08	0.0010
148	nonadienal__gera	5032	-5000	11639	3328.78	115	3.50	0.0068
149	nonadienal__gera	6026	-5000	11176	3328.78	115	3.36	0.0104
150	nonadienal__gera	5030	-5000	10838	3328.78	115	3.26	0.0140

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
151	nonadienal__gera	6022	-5000	10720	3328.78	115	3.22	0.0155
152	nonadienal__gera	5026	-5000	8155.63	3328.78	115	2.45	0.1102
153	nonadienal__gera	3046	-5000	7304.38	3328.78	115	2.19	0.1876
154	nonadienal__gera	3044	-5000	6824.50	3328.78	115	2.05	0.2465
155	nonadienal__gera	3042	-5000	5578.25	3328.78	115	1.68	0.4573
156	nonadienal__gera	4034	-5000	5549.75	3328.78	115	1.67	0.4631
157	nonadienal__gera	4038	-5000	5339.00	3328.78	115	1.60	0.5069
158	nonadienal__gera	4040	-5000	5012.63	3328.78	115	1.51	0.5784
159	nonadienal__gera	4036	-5000	4691.37	3328.78	115	1.41	0.6516
160	nonadienal__gera	3040	-5000	3510.75	3328.78	115	1.05	0.8991
161	nonanoic_acid__g	6024	-5000	399488	76365	115	5.23	<.0001
162	nonanoic_acid__g	6028	-5000	314178	76365	115	4.11	0.0009
163	nonanoic_acid__g	6026	-5000	256841	76365	115	3.36	0.0102
164	nonanoic_acid__g	6022	-5000	177015	76365	115	2.32	0.1461
165	nonanoic_acid__g	5028	-5000	165216	76365	115	2.16	0.1992
166	nonanoic_acid__g	3044	-5000	159901	76365	115	2.09	0.2274
167	nonanoic_acid__g	5030	-5000	139631	76365	115	1.83	0.3612
168	nonanoic_acid__g	5032	-5000	134765	76365	115	1.76	0.3997
169	nonanoic_acid__g	3042	-5000	129354	76365	115	1.69	0.4452
170	nonanoic_acid__g	4036	-5000	123394	76365	115	1.62	0.4985
171	nonanoic_acid__g	4040	-5000	118502	76365	115	1.55	0.5444
172	nonanoic_acid__g	5026	-5000	114455	76365	115	1.50	0.5837
173	nonanoic_acid__g	3040	-5000	106912	76365	115	1.40	0.6587
174	nonanoic_acid__g	4038	-5000	104439	76365	115	1.37	0.6836
175	nonanoic_acid__g	3046	-5000	95484	76365	115	1.25	0.7720
176	nonanoic_acid__g	4034	-5000	87901	76365	115	1.15	0.8414
177	undecanal__cocon	6024	-5000	275009	54397	115	5.06	<.0001
178	undecanal__cocon	6028	-5000	235587	54397	115	4.33	0.0004
179	undecanal__cocon	6026	-5000	182379	54397	115	3.35	0.0105
180	undecanal__cocon	5028	-5000	135962	54397	115	2.50	0.0987
181	undecanal__cocon	3044	-5000	135278	54397	115	2.49	0.1016
182	undecanal__cocon	6022	-5000	131474	54397	115	2.42	0.1184
183	undecanal__cocon	5030	-5000	119651	54397	115	2.20	0.1857
184	undecanal__cocon	5032	-5000	106653	54397	115	1.96	0.2893
185	undecanal__cocon	4036	-5000	104200	54397	115	1.92	0.3126
186	undecanal__cocon	4038	-5000	101085	54397	115	1.86	0.3441
187	undecanal__cocon	5026	-5000	100986	54397	115	1.86	0.3451
188	undecanal__cocon	3042	-5000	100393	54397	115	1.85	0.3513
189	undecanal__cocon	4040	-5000	98392	54397	115	1.81	0.3728
190	undecanal__cocon	3040	-5000	97814	54397	115	1.80	0.3792
191	undecanal__cocon	3046	-5000	84122	54397	115	1.55	0.5483
192	undecanal__cocon	4034	-5000	82046	54397	115	1.51	0.5766
193	__decenal__acrid	6024	-5000	40647	13011	115	3.12	0.0204
194	__decenal__acrid	4034	-5000	25832	13011	115	1.99	0.2770
195	__decenal__acrid	5028	-5000	23784	13011	115	1.83	0.3615
196	__decenal__acrid	3046	-5000	23285	13011	115	1.79	0.3844
197	__decenal__acrid	5032	-5000	23038	13011	115	1.77	0.3960
198	__decenal__acrid	3042	-5000	22810	13011	115	1.75	0.4069
199	__decenal__acrid	6028	-5000	19765	13011	115	1.52	0.5685
200	__decenal__acrid	6022	-5000	19700	13011	115	1.51	0.5722

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
201	__decenal__acrid	4040	-5000	16462	13011	115	1.27	0.7611
202	__decenal__acrid	5026	-5000	15837	13011	115	1.22	0.7960
203	__decenal__acrid	4036	-5000	15702	13011	115	1.21	0.8034
204	__decenal__acrid	3040	-5000	14458	13011	115	1.11	0.8666
205	__decenal__acrid	3044	-5000	14402	13011	115	1.11	0.8692
206	__decenal__acrid	6026	-5000	13226	13011	115	1.02	0.9184
207	__decenal__acrid	4038	-5000	12222	13011	115	0.94	0.9507
208	__decenal__acrid	5030	-5000	10264	13011	115	0.79	0.9871
209	Paint_Aroma	6028	-5000	6.5210	1.7342	115	3.76	0.0029
210	Paint_Aroma	6026	-5000	5.5916	1.7342	115	3.22	0.0153
211	Paint_Aroma	6022	-5000	5.0194	1.7342	115	2.89	0.0379
212	Paint_Aroma	3044	-5000	4.2465	1.7342	115	2.45	0.1105
213	Paint_Aroma	4040	-5000	4.1772	1.7342	115	2.41	0.1206
214	Paint_Aroma	6024	-5000	3.9979	1.7342	115	2.31	0.1500
215	Paint_Aroma	3040	-5000	3.0906	1.7342	115	1.78	0.3889
216	Paint_Aroma	4034	-5000	3.0105	1.7342	115	1.74	0.4178
217	Paint_Aroma	4036	-5000	2.6791	1.7342	115	1.54	0.5495
218	Paint_Aroma	3042	-5000	2.5847	1.7342	115	1.49	0.5899
219	Paint_Aroma	5030	-5000	2.2036	1.7342	115	1.27	0.7570
220	Paint_Aroma	5026	-5000	2.1355	1.7342	115	1.23	0.7858
221	Paint_Aroma	3046	-5000	2.1249	1.7342	115	1.23	0.7902
222	Paint_Aroma	5032	-5000	2.0314	1.7342	115	1.17	0.8278
223	Paint_Aroma	5028	-5000	1.8759	1.7342	115	1.08	0.8840
224	Paint_Aroma	4038	-5000	1.8187	1.7342	115	1.05	0.9022
225	Green_Aroma	6028	-5000	2.5699	0.6252	115	4.11	0.0009
226	Green_Aroma	3044	-5000	1.6548	0.6252	115	2.65	0.0702
227	Green_Aroma	5026	-5000	1.3789	0.6252	115	2.21	0.1835
228	Green_Aroma	6026	-5000	1.2956	0.6252	115	2.07	0.2367
229	Green_Aroma	3040	-5000	1.2942	0.6252	115	2.07	0.2377
230	Green_Aroma	6024	-5000	1.2628	0.6252	115	2.02	0.2605
231	Green_Aroma	6022	-5000	1.2589	0.6252	115	2.01	0.2634
232	Green_Aroma	4040	-5000	1.2487	0.6252	115	2.00	0.2712
233	Green_Aroma	4034	-5000	0.9961	0.6252	115	1.59	0.5145
234	Green_Aroma	5030	-5000	0.9685	0.6252	115	1.55	0.5464
235	Green_Aroma	4036	-5000	0.8188	0.6252	115	1.31	0.7278
236	Green_Aroma	3046	-5000	0.8082	0.6252	115	1.29	0.7405
237	Green_Aroma	5028	-5000	0.7643	0.6252	115	1.22	0.7922
238	Green_Aroma	3042	-5000	0.7499	0.6252	115	1.20	0.8085
239	Green_Aroma	4038	-5000	0.6749	0.6252	115	1.08	0.8853
240	Green_Aroma	5032	-5000	0.4379	0.6252	115	0.70	0.9956
241	Pine_Aroma	6028	-5000	0.6855	0.2983	115	2.30	0.1523
242	Pine_Aroma	6022	-5000	0.5290	0.2983	115	1.77	0.3942
243	Pine_Aroma	3044	-5000	0.4033	0.2983	115	1.35	0.6954
244	Pine_Aroma	3040	-5000	0.3988	0.2983	115	1.34	0.7070
245	Pine_Aroma	4040	-5000	0.3936	0.2983	115	1.32	0.7203
246	Pine_Aroma	4036	-5000	0.3228	0.2983	115	1.08	0.8838
247	Pine_Aroma	5028	-5000	0.3128	0.2983	115	1.05	0.9022
248	Pine_Aroma	5030	-5000	0.2950	0.2983	115	0.99	0.9310
249	Pine_Aroma	5026	-5000	0.2539	0.2983	115	0.85	0.9760
250	Pine_Aroma	4034	-5000	0.2044	0.2983	115	0.69	0.9965

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
251	Pine_Aroma	6024	-5000	0.1934	0.2983	115	0.65	0.9980
252	Pine_Aroma	6026	-5000	0.1730	0.2983	115	0.58	0.9994
253	Pine_Aroma	4038	-5000	0.1679	0.2983	115	0.56	0.9996
254	Pine_Aroma	3046	-5000	0.1610	0.2983	115	0.54	0.9997
255	Pine_Aroma	3042	-5000	0.09778	0.2983	115	0.33	1.0000
256	Pine_Aroma	5032	-5000	0.05073	0.2983	115	0.17	1.0000
257	Fish_Aroma	4040	-5000	0.8477	0.4839	115	1.75	0.4078
258	Fish_Aroma	4036	-5000	0.8333	0.4839	115	1.72	0.4268
259	Fish_Aroma	3042	-5000	0.8091	0.4839	115	1.67	0.4598
260	Fish_Aroma	3044	-5000	0.7293	0.4839	115	1.51	0.5775
261	Fish_Aroma	3040	-5000	0.6871	0.4839	115	1.42	0.6435
262	Fish_Aroma	4038	-5000	0.6862	0.4839	115	1.42	0.6449
263	Fish_Aroma	6028	-5000	0.6701	0.4839	115	1.38	0.6704
264	Fish_Aroma	6026	-5000	0.5668	0.4839	115	1.17	0.8279
265	Fish_Aroma	5030	-5000	0.3894	0.4839	115	0.80	0.9847
266	Fish_Aroma	4034	-5000	0.3451	0.4839	115	0.71	0.9948
267	Fish_Aroma	6024	-5000	0.2833	0.4839	115	0.59	0.9993
268	Fish_Aroma	6022	-5000	0.2508	0.4839	115	0.52	0.9998
269	Fish_Aroma	5028	-5000	0.1730	0.4839	115	0.36	1.0000
270	Fish_Aroma	5026	-5000	0.1706	0.4839	115	0.35	1.0000
271	Fish_Aroma	5032	-5000	0.1524	0.4839	115	0.31	1.0000
272	Fish_Aroma	3046	-5000	0.1453	0.4839	115	0.30	1.0000
273	Sulfur_Aroma	6026	-5000	0.5158	0.2227	115	2.32	0.1466
274	Sulfur_Aroma	5026	-5000	0.1919	0.2227	115	0.86	0.9736
275	Sulfur_Aroma	6022	-5000	0.1764	0.2227	115	0.79	0.9866
276	Sulfur_Aroma	3046	-5000	-0.1687	0.2227	115	-0.76	0.9909
277	Sulfur_Aroma	4036	-5000	0.1340	0.2227	115	0.60	0.9991
278	Sulfur_Aroma	4040	-5000	-0.1319	0.2227	115	-0.59	0.9992
279	Sulfur_Aroma	5032	-5000	0.06773	0.2227	115	0.30	1.0000
280	Sulfur_Aroma	4034	-5000	-0.06769	0.2227	115	-0.30	1.0000
281	Sulfur_Aroma	6028	-5000	0.05679	0.2227	115	0.26	1.0000
282	Sulfur_Aroma	4038	-5000	-0.04859	0.2227	115	-0.22	1.0000
283	Sulfur_Aroma	3042	-5000	0.04655	0.2227	115	0.21	1.0000
284	Sulfur_Aroma	5030	-5000	-0.03644	0.2227	115	-0.16	1.0000
285	Sulfur_Aroma	6024	-5000	-0.03366	0.2227	115	-0.15	1.0000
286	Sulfur_Aroma	3044	-5000	0.02988	0.2227	115	0.13	1.0000
287	Sulfur_Aroma	3040	-5000	-0.00589	0.2227	115	-0.03	1.0000
288	Sulfur_Aroma	5028	-5000	0.02146	0.2227	115	0.10	1.0000
289	Solvent_Aroma	3044	-5000	4.9661	1.3941	115	3.56	0.0055
290	Solvent_Aroma	4040	-5000	4.2914	1.3941	115	3.08	0.0232
291	Solvent_Aroma	6026	-5000	4.2515	1.3941	115	3.05	0.0250
292	Solvent_Aroma	6028	-5000	4.2119	1.3941	115	3.02	0.0271
293	Solvent_Aroma	3040	-5000	3.1791	1.3941	115	2.28	0.1579
294	Solvent_Aroma	6024	-5000	3.0921	1.3941	115	2.22	0.1790
295	Solvent_Aroma	4034	-5000	3.0900	1.3941	115	2.22	0.1796
296	Solvent_Aroma	5028	-5000	2.8851	1.3941	115	2.07	0.2379
297	Solvent_Aroma	4036	-5000	2.7774	1.3941	115	1.99	0.2736
298	Solvent_Aroma	5026	-5000	2.7168	1.3941	115	1.95	0.2953
299	Solvent_Aroma	3046	-5000	2.5689	1.3941	115	1.84	0.3530
300	Solvent_Aroma	6022	-5000	2.4709	1.3941	115	1.77	0.3949

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
301	Solvent_Aroma	3042	-5000	2.4279	1.3941	115	1.74	0.4143
302	Solvent_Aroma	4038	-5000	2.2237	1.3941	115	1.60	0.5132
303	Solvent_Aroma	5030	-5000	1.3966	1.3941	115	1.00	0.9253
304	Solvent_Aroma	5032	-5000	1.1265	1.3941	115	0.81	0.9842
305	Cardboard_Aroma	6028	-5000	2.1468	0.6716	115	3.20	0.0166
306	Cardboard_Aroma	3044	-5000	1.7974	0.6716	115	2.68	0.0655
307	Cardboard_Aroma	3046	-5000	1.2189	0.6716	115	1.81	0.3692
308	Cardboard_Aroma	3040	-5000	1.1081	0.6716	115	1.65	0.4748
309	Cardboard_Aroma	4036	-5000	1.0998	0.6716	115	1.64	0.4834
310	Cardboard_Aroma	3042	-5000	1.0175	0.6716	115	1.52	0.5715
311	Cardboard_Aroma	5032	-5000	0.9555	0.6716	115	1.42	0.6413
312	Cardboard_Aroma	6022	-5000	0.8196	0.6716	115	1.22	0.7938
313	Cardboard_Aroma	4038	-5000	0.8001	0.6716	115	1.19	0.8141
314	Cardboard_Aroma	4034	-5000	0.7481	0.6716	115	1.11	0.8650
315	Cardboard_Aroma	4040	-5000	0.7385	0.6716	115	1.10	0.8736
316	Cardboard_Aroma	6026	-5000	0.6925	0.6716	115	1.03	0.9113
317	Cardboard_Aroma	6024	-5000	0.5409	0.6716	115	0.81	0.9846
318	Cardboard_Aroma	5026	-5000	0.5007	0.6716	115	0.75	0.9922
319	Cardboard_Aroma	5030	-5000	0.3810	0.6716	115	0.57	0.9995
320	Cardboard_Aroma	5028	-5000	0.3392	0.6716	115	0.50	0.9999
321	Fruity_Floral_Ar	3040	-5000	1.7557	0.5313	115	3.30	0.0121
322	Fruity_Floral_Ar	3044	-5000	1.3452	0.5313	115	2.53	0.0918
323	Fruity_Floral_Ar	5026	-5000	0.8434	0.5313	115	1.59	0.5187
324	Fruity_Floral_Ar	6024	-5000	0.6790	0.5313	115	1.28	0.7517
325	Fruity_Floral_Ar	4034	-5000	0.6611	0.5313	115	1.24	0.7765
326	Fruity_Floral_Ar	5030	-5000	0.6457	0.5313	115	1.22	0.7975
327	Fruity_Floral_Ar	4038	-5000	0.6438	0.5313	115	1.21	0.8000
328	Fruity_Floral_Ar	6022	-5000	0.3361	0.5313	115	0.63	0.9985
329	Fruity_Floral_Ar	4036	-5000	0.3109	0.5313	115	0.59	0.9993
330	Fruity_Floral_Ar	3042	-5000	0.3083	0.5313	115	0.58	0.9994
331	Fruity_Floral_Ar	5028	-5000	0.1736	0.5313	115	0.33	1.0000
332	Fruity_Floral_Ar	3046	-5000	0.1646	0.5313	115	0.31	1.0000
333	Fruity_Floral_Ar	5032	-5000	-0.1427	0.5313	115	-0.27	1.0000
334	Fruity_Floral_Ar	6028	-5000	-0.1134	0.5313	115	-0.21	1.0000
335	Fruity_Floral_Ar	4040	-5000	0.08560	0.5313	115	0.16	1.0000
336	Fruity_Floral_Ar	6026	-5000	0.06720	0.5313	115	0.13	1.0000
337	Musty_Aroma	4036	-5000	2.4667	0.6870	115	3.59	0.0050
338	Musty_Aroma	6028	-5000	1.6504	0.6870	115	2.40	0.1223
339	Musty_Aroma	4034	-5000	1.6357	0.6870	115	2.38	0.1280
340	Musty_Aroma	4040	-5000	1.3049	0.6870	115	1.90	0.3213
341	Musty_Aroma	3044	-5000	1.2282	0.6870	115	1.79	0.3856
342	Musty_Aroma	3042	-5000	1.2185	0.6870	115	1.77	0.3942
343	Musty_Aroma	4038	-5000	1.0046	0.6870	115	1.46	0.6112
344	Musty_Aroma	3040	-5000	0.8681	0.6870	115	1.26	0.7623
345	Musty_Aroma	6026	-5000	0.8489	0.6870	115	1.24	0.7828
346	Musty_Aroma	6024	-5000	0.6721	0.6870	115	0.98	0.9356
347	Musty_Aroma	3046	-5000	0.6560	0.6870	115	0.95	0.9450
348	Musty_Aroma	6022	-5000	0.4782	0.6870	115	0.70	0.9959
349	Musty_Aroma	5032	-5000	0.4673	0.6870	115	0.68	0.9967
350	Musty_Aroma	5030	-5000	0.3476	0.6870	115	0.51	0.9999

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
351	Musty_Aroma	5026	-5000	0.3249	0.6870	115	0.47	0.9999
352	Musty_Aroma	5028	-5000	0.2388	0.6870	115	0.35	1.0000
353	Stale_Nut_Aroma	5028	-5000	0.6694	0.3469	115	1.93	0.3051
354	Stale_Nut_Aroma	4036	-5000	0.6093	0.3469	115	1.76	0.4048
355	Stale_Nut_Aroma	6024	-5000	0.5543	0.3469	115	1.60	0.5112
356	Stale_Nut_Aroma	6028	-5000	0.3716	0.3469	115	1.07	0.8899
357	Stale_Nut_Aroma	5030	-5000	0.3709	0.3469	115	1.07	0.8911
358	Stale_Nut_Aroma	5026	-5000	0.3671	0.3469	115	1.06	0.8971
359	Stale_Nut_Aroma	3044	-5000	0.3571	0.3469	115	1.03	0.9122
360	Stale_Nut_Aroma	4034	-5000	0.3324	0.3469	115	0.96	0.9437
361	Stale_Nut_Aroma	6022	-5000	0.2841	0.3469	115	0.82	0.9823
362	Stale_Nut_Aroma	4040	-5000	0.2699	0.3469	115	0.78	0.9885
363	Stale_Nut_Aroma	3040	-5000	0.2413	0.3469	115	0.70	0.9959
364	Stale_Nut_Aroma	3042	-5000	0.1980	0.3469	115	0.57	0.9995
365	Stale_Nut_Aroma	6026	-5000	0.1390	0.3469	115	0.40	1.0000
366	Stale_Nut_Aroma	3046	-5000	0.01956	0.3469	115	0.06	1.0000
367	Stale_Nut_Aroma	4038	-5000	-0.00961	0.3469	115	-0.03	1.0000
368	Stale_Nut_Aroma	5032	-5000	-0.01048	0.3469	115	-0.03	1.0000
369	Paint_Flavor	6028	-5000	10.8533	3.1104	115	3.49	0.0069
370	Paint_Flavor	3044	-5000	9.3512	3.1104	115	3.01	0.0282
371	Paint_Flavor	6026	-5000	6.8826	3.1104	115	2.21	0.1809
372	Paint_Flavor	4040	-5000	5.0604	3.1104	115	1.63	0.4907
373	Paint_Flavor	6022	-5000	4.8623	3.1104	115	1.56	0.5361
374	Paint_Flavor	6024	-5000	4.4942	3.1104	115	1.44	0.6244
375	Paint_Flavor	4038	-5000	3.7366	3.1104	115	1.20	0.8072
376	Paint_Flavor	3046	-5000	3.4560	3.1104	115	1.11	0.8667
377	Paint_Flavor	4036	-5000	3.2689	3.1104	115	1.05	0.9010
378	Paint_Flavor	3040	-5000	2.9751	3.1104	115	0.96	0.9443
379	Paint_Flavor	5030	-5000	2.9401	3.1104	115	0.95	0.9486
380	Paint_Flavor	5032	-5000	2.8764	3.1104	115	0.92	0.9557
381	Paint_Flavor	5026	-5000	2.6559	3.1104	115	0.85	0.9754
382	Paint_Flavor	5028	-5000	2.3353	3.1104	115	0.75	0.9917
383	Paint_Flavor	4034	-5000	2.3243	3.1104	115	0.75	0.9920
384	Paint_Flavor	3042	-5000	1.5713	3.1104	115	0.51	0.9999
385	Green_Flavor	6028	-5000	2.6755	0.8394	115	3.19	0.0170
386	Green_Flavor	3044	-5000	2.4658	0.8394	115	2.94	0.0339
387	Green_Flavor	4040	-5000	2.2393	0.8394	115	2.67	0.0668
388	Green_Flavor	6026	-5000	2.0077	0.8394	115	2.39	0.1251
389	Green_Flavor	4038	-5000	1.9137	0.8394	115	2.28	0.1581
390	Green_Flavor	5026	-5000	1.7453	0.8394	115	2.08	0.2337
391	Green_Flavor	6022	-5000	1.3867	0.8394	115	1.65	0.4735
392	Green_Flavor	6024	-5000	1.3709	0.8394	115	1.63	0.4864
393	Green_Flavor	3040	-5000	1.3207	0.8394	115	1.57	0.5288
394	Green_Flavor	5028	-5000	1.2927	0.8394	115	1.54	0.5530
395	Green_Flavor	3046	-5000	1.0603	0.8394	115	1.26	0.7627
396	Green_Flavor	4036	-5000	1.0398	0.8394	115	1.24	0.7805
397	Green_Flavor	5032	-5000	0.9485	0.8394	115	1.13	0.8550
398	Green_Flavor	5030	-5000	0.9209	0.8394	115	1.10	0.8751
399	Green_Flavor	3042	-5000	0.9172	0.8394	115	1.09	0.8777
400	Green_Flavor	4034	-5000	0.9111	0.8394	115	1.09	0.8819

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
401	Pine_Flavor	3044	-5000	2.1053	0.9492	115	2.22	0.1791
402	Pine_Flavor	6028	-5000	0.7946	0.9492	115	0.84	0.9789
403	Pine_Flavor	5030	-5000	0.7064	0.9492	115	0.74	0.9923
404	Pine_Flavor	6022	-5000	0.4276	0.9492	115	0.45	1.0000
405	Pine_Flavor	5026	-5000	0.3175	0.9492	115	0.33	1.0000
406	Pine_Flavor	3040	-5000	0.3053	0.9492	115	0.32	1.0000
407	Pine_Flavor	4040	-5000	0.2671	0.9492	115	0.28	1.0000
408	Pine_Flavor	4034	-5000	0.2663	0.9492	115	0.28	1.0000
409	Pine_Flavor	4036	-5000	0.2540	0.9492	115	0.27	1.0000
410	Pine_Flavor	6026	-5000	0.1329	0.9492	115	0.14	1.0000
411	Pine_Flavor	3042	-5000	0.08451	0.9492	115	0.09	1.0000
412	Pine_Flavor	3046	-5000	0.03520	0.9492	115	0.04	1.0000
413	Pine_Flavor	4038	-5000	0.06576	0.9492	115	0.07	1.0000
414	Pine_Flavor	5028	-5000	-0.02049	0.9492	115	-0.02	1.0000
415	Pine_Flavor	5032	-5000	-0.01497	0.9492	115	-0.02	1.0000
416	Pine_Flavor	6024	-5000	-0.01914	0.9492	115	-0.02	1.0000
417	Fish_Flavor	4034	-5000	1.2736	0.6579	115	1.94	0.3019
418	Fish_Flavor	4038	-5000	1.2684	0.6579	115	1.93	0.3060
419	Fish_Flavor	4036	-5000	1.2592	0.6579	115	1.91	0.3134
420	Fish_Flavor	3042	-5000	1.2420	0.6579	115	1.89	0.3276
421	Fish_Flavor	3040	-5000	1.1298	0.6579	115	1.72	0.4298
422	Fish_Flavor	6028	-5000	1.0064	0.6579	115	1.53	0.5606
423	Fish_Flavor	4040	-5000	0.8760	0.6579	115	1.33	0.7111
424	Fish_Flavor	5026	-5000	0.8508	0.6579	115	1.29	0.7401
425	Fish_Flavor	6026	-5000	0.8409	0.6579	115	1.28	0.7514
426	Fish_Flavor	3046	-5000	0.5496	0.6579	115	0.84	0.9792
427	Fish_Flavor	3044	-5000	0.5066	0.6579	115	0.77	0.9895
428	Fish_Flavor	5032	-5000	0.3300	0.6579	115	0.50	0.9999
429	Fish_Flavor	6024	-5000	0.3031	0.6579	115	0.46	1.0000
430	Fish_Flavor	5028	-5000	0.2236	0.6579	115	0.34	1.0000
431	Fish_Flavor	6022	-5000	0.2198	0.6579	115	0.33	1.0000
432	Fish_Flavor	5030	-5000	0.1651	0.6579	115	0.25	1.0000
433	Sulfur_Flavor	6026	-5000	0.6065	0.3501	115	1.73	0.4200
434	Sulfur_Flavor	6028	-5000	0.5241	0.3501	115	1.50	0.5850
435	Sulfur_Flavor	6022	-5000	0.2958	0.3501	115	0.84	0.9773
436	Sulfur_Flavor	3044	-5000	0.2284	0.3501	115	0.65	0.9979
437	Sulfur_Flavor	5026	-5000	0.1784	0.3501	115	0.51	0.9999
438	Sulfur_Flavor	3046	-5000	-0.1771	0.3501	115	-0.51	0.9999
439	Sulfur_Flavor	4040	-5000	0.1376	0.3501	115	0.39	1.0000
440	Sulfur_Flavor	4038	-5000	0.1333	0.3501	115	0.38	1.0000
441	Sulfur_Flavor	6024	-5000	0.1276	0.3501	115	0.36	1.0000
442	Sulfur_Flavor	3042	-5000	-0.1251	0.3501	115	-0.36	1.0000
443	Sulfur_Flavor	4034	-5000	0.1038	0.3501	115	0.30	1.0000
444	Sulfur_Flavor	5032	-5000	0.05863	0.3501	115	0.17	1.0000
445	Sulfur_Flavor	5030	-5000	-0.05057	0.3501	115	-0.14	1.0000
446	Sulfur_Flavor	3040	-5000	-0.02088	0.3501	115	-0.06	1.0000
447	Sulfur_Flavor	4036	-5000	-0.03460	0.3501	115	-0.10	1.0000
448	Sulfur_Flavor	5028	-5000	-0.03481	0.3501	115	-0.10	1.0000
449	Solvent_Flavor	6028	-5000	7.0247	1.5313	115	4.59	0.0001
450	Solvent_Flavor	3044	-5000	6.5136	1.5313	115	4.25	0.0005

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
451	Solvent_Flavor	4040	-5000	5.0964	1.5313	115	3.33	0.0113
452	Solvent_Flavor	3046	-5000	4.6831	1.5313	115	3.06	0.0245
453	Solvent_Flavor	6026	-5000	4.6275	1.5313	115	3.02	0.0270
454	Solvent_Flavor	3042	-5000	3.1949	1.5313	115	2.09	0.2306
455	Solvent_Flavor	4034	-5000	3.0634	1.5313	115	2.00	0.2696
456	Solvent_Flavor	4038	-5000	3.0608	1.5313	115	2.00	0.2704
457	Solvent_Flavor	6024	-5000	2.8876	1.5313	115	1.89	0.3288
458	Solvent_Flavor	5026	-5000	2.6398	1.5313	115	1.72	0.4256
459	Solvent_Flavor	4036	-5000	2.6371	1.5313	115	1.72	0.4268
460	Solvent_Flavor	5032	-5000	2.6129	1.5313	115	1.71	0.4370
461	Solvent_Flavor	6022	-5000	2.5956	1.5313	115	1.69	0.4445
462	Solvent_Flavor	3040	-5000	2.4523	1.5313	115	1.60	0.5087
463	Solvent_Flavor	5028	-5000	2.2980	1.5313	115	1.50	0.5823
464	Solvent_Flavor	5030	-5000	1.9631	1.5313	115	1.28	0.7486
465	Cardboard_Flavor	3046	-5000	6.1563	1.7055	115	3.61	0.0047
466	Cardboard_Flavor	3044	-5000	6.1438	1.7055	115	3.60	0.0049
467	Cardboard_Flavor	4040	-5000	5.1377	1.7055	115	3.01	0.0277
468	Cardboard_Flavor	3040	-5000	3.9337	1.7055	115	2.31	0.1497
469	Cardboard_Flavor	4038	-5000	3.9285	1.7055	115	2.30	0.1506
470	Cardboard_Flavor	6028	-5000	3.2929	1.7055	115	1.93	0.3046
471	Cardboard_Flavor	5026	-5000	3.0309	1.7055	115	1.78	0.3920
472	Cardboard_Flavor	6026	-5000	2.6686	1.7055	115	1.56	0.5350
473	Cardboard_Flavor	4036	-5000	2.6608	1.7055	115	1.56	0.5384
474	Cardboard_Flavor	6022	-5000	2.6577	1.7055	115	1.56	0.5397
475	Cardboard_Flavor	5032	-5000	2.6047	1.7055	115	1.53	0.5625
476	Cardboard_Flavor	4034	-5000	2.5170	1.7055	115	1.48	0.6009
477	Cardboard_Flavor	3042	-5000	2.4583	1.7055	115	1.44	0.6270
478	Cardboard_Flavor	6024	-5000	2.0101	1.7055	115	1.18	0.8229
479	Cardboard_Flavor	5028	-5000	1.3011	1.7055	115	0.76	0.9904
480	Cardboard_Flavor	5030	-5000	1.2804	1.7055	115	0.75	0.9917
481	Fruity_Floral_Fl	3040	-5000	1.0183	0.3542	115	2.87	0.0399
482	Fruity_Floral_Fl	6026	-5000	-0.6067	0.3542	115	-1.71	0.4328
483	Fruity_Floral_Fl	6022	-5000	-0.4244	0.3542	115	-1.20	0.8095
484	Fruity_Floral_Fl	4036	-5000	-0.4164	0.3542	115	-1.18	0.8250
485	Fruity_Floral_Fl	5032	-5000	-0.4091	0.3542	115	-1.15	0.8388
486	Fruity_Floral_Fl	3046	-5000	-0.3821	0.3542	115	-1.08	0.8859
487	Fruity_Floral_Fl	5028	-5000	-0.3623	0.3542	115	-1.02	0.9155
488	Fruity_Floral_Fl	6028	-5000	-0.3400	0.3542	115	-0.96	0.9430
489	Fruity_Floral_Fl	3042	-5000	-0.3383	0.3542	115	-0.96	0.9449
490	Fruity_Floral_Fl	4038	-5000	0.2853	0.3542	115	0.81	0.9846
491	Fruity_Floral_Fl	5026	-5000	0.2410	0.3542	115	0.68	0.9967
492	Fruity_Floral_Fl	6024	-5000	-0.2020	0.3542	115	-0.57	0.9995
493	Fruity_Floral_Fl	4040	-5000	-0.1869	0.3542	115	-0.53	0.9998
494	Fruity_Floral_Fl	4034	-5000	-0.1288	0.3542	115	-0.36	1.0000
495	Fruity_Floral_Fl	3044	-5000	-0.01052	0.3542	115	-0.03	1.0000
496	Fruity_Floral_Fl	5030	-5000	-0.01122	0.3542	115	-0.03	1.0000
497	Musty_Flavor	4040	-5000	3.7877	1.0994	115	3.45	0.0079
498	Musty_Flavor	3046	-5000	2.8361	1.0994	115	2.58	0.0822
499	Musty_Flavor	3040	-5000	2.8269	1.0994	115	2.57	0.0838
500	Musty_Flavor	3044	-5000	2.7076	1.0994	115	2.46	0.1071

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
501	Musty_Flavor	4036	-5000	2.5608	1.0994	115	2.33	0.1427
502	Musty_Flavor	4038	-5000	2.2556	1.0994	115	2.05	0.2458
503	Musty_Flavor	6028	-5000	2.0078	1.0994	115	1.83	0.3625
504	Musty_Flavor	4034	-5000	1.9318	1.0994	115	1.76	0.4044
505	Musty_Flavor	6026	-5000	1.6896	1.0994	115	1.54	0.5554
506	Musty_Flavor	5026	-5000	1.6236	1.0994	115	1.48	0.6002
507	Musty_Flavor	3042	-5000	1.4160	1.0994	115	1.29	0.7441
508	Musty_Flavor	5030	-5000	0.8413	1.0994	115	0.77	0.9901
509	Musty_Flavor	6024	-5000	0.7788	1.0994	115	0.71	0.9951
510	Musty_Flavor	5028	-5000	0.7540	1.0994	115	0.69	0.9965
511	Musty_Flavor	6022	-5000	0.7049	1.0994	115	0.64	0.9982
512	Musty_Flavor	5032	-5000	0.4891	1.0994	115	0.44	1.0000
513	Stale_Nut_Flavor	6028	-5000	2.5097	0.8555	115	2.93	0.0342
514	Stale_Nut_Flavor	6026	-5000	1.9093	0.8555	115	2.23	0.1742
515	Stale_Nut_Flavor	5026	-5000	1.5968	0.8555	115	1.87	0.3394
516	Stale_Nut_Flavor	3040	-5000	1.2440	0.8555	115	1.45	0.6173
517	Stale_Nut_Flavor	6022	-5000	1.2135	0.8555	115	1.42	0.6446
518	Stale_Nut_Flavor	4034	-5000	1.1515	0.8555	115	1.35	0.7001
519	Stale_Nut_Flavor	5028	-5000	1.1205	0.8555	115	1.31	0.7277
520	Stale_Nut_Flavor	6024	-5000	1.0874	0.8555	115	1.27	0.7567
521	Stale_Nut_Flavor	3044	-5000	1.0711	0.8555	115	1.25	0.7708
522	Stale_Nut_Flavor	4040	-5000	1.0526	0.8555	115	1.23	0.7866
523	Stale_Nut_Flavor	4036	-5000	0.9883	0.8555	115	1.16	0.8386
524	Stale_Nut_Flavor	4038	-5000	0.8920	0.8555	115	1.04	0.9054
525	Stale_Nut_Flavor	3042	-5000	0.7961	0.8555	115	0.93	0.9537
526	Stale_Nut_Flavor	5032	-5000	0.7244	0.8555	115	0.85	0.9769
527	Stale_Nut_Flavor	5030	-5000	0.2652	0.8555	115	0.31	1.0000
528	Stale_Nut_Flavor	3046	-5000	0.1670	0.8555	115	0.20	1.0000
529	__Point_Hedonic_	4040	-5000	-0.7191	0.2150	114	-3.35	0.0108
530	__Point_Hedonic_	6028	-5000	-0.7031	0.2150	114	-3.27	0.0135
531	__Point_Hedonic_	6026	-5000	-0.6584	0.2150	114	-3.06	0.0243
532	__Point_Hedonic_	4038	-5000	-0.6715	0.2200	114	-3.05	0.0250
533	__Point_Hedonic_	3042	-5000	-0.6140	0.2150	114	-2.86	0.0420
534	__Point_Hedonic_	4036	-5000	-0.5951	0.2150	114	-2.77	0.0525
535	__Point_Hedonic_	5032	-5000	-0.5905	0.2150	114	-2.75	0.0553
536	__Point_Hedonic_	5030	-5000	-0.5858	0.2150	114	-2.72	0.0584
537	__Point_Hedonic_	4034	-5000	-0.5820	0.2150	114	-2.71	0.0610
538	__Point_Hedonic_	3046	-5000	-0.5595	0.2150	114	-2.60	0.0783
539	__Point_Hedonic_	5028	-5000	-0.5564	0.2150	114	-2.59	0.0810
540	__Point_Hedonic_	3044	-5000	-0.5293	0.2150	114	-2.46	0.1078
541	__Point_Hedonic_	6024	-5000	-0.5089	0.2150	114	-2.37	0.1324
542	__Point_Hedonic_	3040	-5000	-0.4823	0.2150	114	-2.24	0.1709
543	__Point_Hedonic_	5026	-5000	-0.4535	0.2150	114	-2.11	0.2216
544	__Point_Hedonic_	6022	-5000	-0.4204	0.2150	114	-1.96	0.2929
545	Normal_Usage	6028	-5000	0.1938	0.04751	114	4.08	0.0010
546	Normal_Usage	6026	-5000	0.1704	0.04751	114	3.59	0.0051
547	Normal_Usage	3044	-5000	0.1372	0.04751	114	2.89	0.0387
548	Normal_Usage	4040	-5000	0.1345	0.04751	114	2.83	0.0448
549	Normal_Usage	4038	-5000	0.1330	0.04863	114	2.73	0.0571
550	Normal_Usage	3040	-5000	0.1265	0.04751	114	2.66	0.0679

Comparisons to the control

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
551	Normal_Usage	4036	-5000	0.1233	0.04751	114	2.59	0.0798
552	Normal_Usage	6024	-5000	0.1204	0.04751	114	2.53	0.0915
553	Normal_Usage	6022	-5000	0.1203	0.04751	114	2.53	0.0920
554	Normal_Usage	3046	-5000	0.1145	0.04751	114	2.41	0.1208
555	Normal_Usage	4034	-5000	0.1117	0.04751	114	2.35	0.1368
556	Normal_Usage	3042	-5000	0.1092	0.04751	114	2.30	0.1528
557	Normal_Usage	5028	-5000	0.09824	0.04751	114	2.07	0.2397
558	Normal_Usage	5026	-5000	0.09217	0.04751	114	1.94	0.3009
559	Normal_Usage	5030	-5000	0.09069	0.04751	114	1.91	0.3174
560	Normal_Usage	5032	-5000	0.08432	0.04751	114	1.77	0.3949
561	Emergency_Usage	6026	-5000	0.1291	0.04204	114	3.07	0.0237
562	Emergency_Usage	6028	-5000	0.1227	0.04204	114	2.92	0.0358
563	Emergency_Usage	6024	-5000	0.09697	0.04204	114	2.31	0.1502
564	Emergency_Usage	4034	-5000	0.08405	0.04204	114	2.00	0.2711
565	Emergency_Usage	4036	-5000	0.08397	0.04204	114	2.00	0.2722
566	Emergency_Usage	4040	-5000	0.08045	0.04204	114	1.91	0.3148
567	Emergency_Usage	5028	-5000	0.07811	0.04204	114	1.86	0.3455
568	Emergency_Usage	5032	-5000	0.07789	0.04204	114	1.85	0.3485
569	Emergency_Usage	4038	-5000	0.07767	0.04303	114	1.81	0.3764
570	Emergency_Usage	6022	-5000	0.06661	0.04204	114	1.58	0.5224
571	Emergency_Usage	3046	-5000	0.06365	0.04204	114	1.51	0.5741
572	Emergency_Usage	3042	-5000	0.05835	0.04204	114	1.39	0.6698
573	Emergency_Usage	5030	-5000	0.05773	0.04204	114	1.37	0.6810
574	Emergency_Usage	3040	-5000	0.05581	0.04204	114	1.33	0.7160
575	Emergency_Usage	5026	-5000	0.05121	0.04204	114	1.22	0.7970
576	Emergency_Usage	3044	-5000	0.04878	0.04204	114	1.16	0.8368
577	Peroxide_Value	6028	-5000	22.4681	6.0506	115	3.71	0.0034
578	Peroxide_Value	6024	-5000	17.9702	6.0506	115	2.97	0.0311
579	Peroxide_Value	6026	-5000	11.8105	6.0506	115	1.95	0.2937
580	Peroxide_Value	6022	-5000	11.2683	6.0506	115	1.86	0.3418
581	Peroxide_Value	5032	-5000	3.4107	6.0506	115	0.56	0.9996
582	Peroxide_Value	5030	-5000	3.0554	6.0506	115	0.50	0.9999
583	Peroxide_Value	5028	-5000	3.0087	6.0506	115	0.50	0.9999
584	Peroxide_Value	5026	-5000	2.5934	6.0506	115	0.43	1.0000
585	Peroxide_Value	4040	-5000	2.0210	6.0506	115	0.33	1.0000
586	Peroxide_Value	4038	-5000	1.8348	6.0506	115	0.30	1.0000
587	Peroxide_Value	4036	-5000	1.6530	6.0506	115	0.27	1.0000
588	Peroxide_Value	3044	-5000	1.6041	6.0506	115	0.27	1.0000
589	Peroxide_Value	3046	-5000	1.5281	6.0506	115	0.25	1.0000
590	Peroxide_Value	3040	-5000	1.3156	6.0506	115	0.22	1.0000
591	Peroxide_Value	4034	-5000	1.2458	6.0506	115	0.21	1.0000
592	Peroxide_Value	3042	-5000	1.2196	6.0506	115	0.20	1.0000

SAS Output for Binomial data

The SAS System 09:28 Monday, July 12, 2010 476
Overall Analysis Results for each variable

Obs	depvar	Effect	Num DF	Den DF	FValue	probf
1	Hexanoic_Acid__sweat_	oil	1	109	4.15	0.0441
2	Hexanoic_Acid__sweat_	temptime	15	109	1.68	0.0655
3	Hexanoic_Acid__sweat_	Package	1	109	0.15	0.6989
4	Hexanoic_Acid__sweat_	oil*Package	1	109	2.40	0.1243
5	Heptanal__fruity_	oil	1	109	6.78	0.0105
6	Heptanal__fruity_	temptime	15	109	0.56	0.8999
7	Heptanal__fruity_	Package	1	109	1.76	0.1872
8	Heptanal__fruity_	oil*Package	1	109	1.76	0.1872
9	Butyric_Acid__rancid_	oil	1	108	0.05	0.8274
10	Butyric_Acid__rancid_	temptime	14	108	1.38	0.1740
11	Butyric_Acid__rancid_	Package	1	108	0.47	0.4923
12	Butyric_Acid__rancid_	oil*Package	1	108	4.07	0.0462
13	heptaldehyde__fruity_	oil	0	.	.	.
14	heptaldehyde__fruity_	temptime	14	109	0.00	1.0000
15	heptaldehyde__fruity_	Package	1	109	0.00	0.9903
16	heptaldehyde__fruity_	oil*Package	1	109	0.00	0.9903
17	pentylfuran_earthygre	oil	1	108	0.00	1.0000
18	pentylfuran_earthygre	temptime	15	108	0.00	1.0000
19	pentylfuran_earthygre	Package	1	108	0.00	0.9886
20	pentylfuran_earthygre	oil*Package	1	108	0.00	1.0000
21	propanal__solvent_pun	oil	1	109	3.86	0.0521
22	propanal__solvent_pun	temptime	15	109	0.50	0.9366
23	propanal__solvent_pun	Package	1	109	14.67	0.0002
24	propanal__solvent_pun	oil*Package	1	109	1.26	0.2637
25	benzaldehyde__almond_	oil	1	105	0.00	0.9976
26	benzaldehyde__almond_	temptime	15	105	0.83	0.6423
27	benzaldehyde__almond_	Package	1	105	0.00	0.9974
28	benzaldehyde__almond_	oil*Package	1	105	0.00	0.9977
29	__methyl_2_buten_1_ol	oil	1	109	0.85	0.3575
30	__methyl_2_buten_1_ol	temptime	15	109	1.14	0.3300
31	__methyl_2_buten_1_ol	Package	1	109	6.82	0.0103
32	__methyl_2_buten_1_ol	oil*Package	1	109	0.02	0.8926
33	__heptanol__herb_	oil	1	97	0.00	0.9847
34	__heptanol__herb_	temptime	14	97	1.05	0.4096
35	__heptanol__herb_	Package	1	97	0.00	0.9901
36	__heptanol__herb_	oil*Package	1	97	0.00	0.9911
37	__octen_3_ol__mushroo	oil	1	109	7.32	0.0079
38	__octen_3_ol__mushroo	temptime	14	109	1.38	0.1728
39	__octen_3_ol__mushroo	Package	1	109	0.61	0.4369
40	__octen_3_ol__mushroo	oil*Package	1	109	0.61	0.4369
41	butanoic_acid_rancidc	oil	1	109	0.11	0.7436
42	butanoic_acid_rancidc	temptime	15	109	1.91	0.0293
43	butanoic_acid_rancidc	Package	1	109	0.11	0.7436
44	butanoic_acid_rancidc	oil*Package	1	109	1.10	0.2961
45	decanal__minty_	oil	1	109	0.11	0.7381
46	decanal__minty_	temptime	15	109	1.49	0.1217
47	decanal__minty_	Package	1	109	1.79	0.1843
48	decanal__minty_	oil*Package	1	109	0.68	0.4104
49	__propanol__alcohol_	oil	1	109	7.70	0.0065

Overall Analysis Results for each variable

Obs	depvar	Effect	Num DF	Den DF	FValue	probf
50	__propanol__alcohol_	temptime	15	109	1.07	0.3932
51	__propanol__alcohol_	Package	1	109	0.48	0.4917
52	__propanol__alcohol_	oil*Package	1	109	1.83	0.1794
53	__4_heptadienal__frie	oil	1	109	5.55	0.0203
54	__4_heptadienal__frie	temptime	15	109	1.16	0.3104
55	__4_heptadienal__frie	Package	1	109	0.55	0.4603
56	__4_heptadienal__frie	oil*Package	1	109	0.13	0.7162
57	ethanol__sweet_	oil	1	109	28.14	<.0001
58	ethanol__sweet_	temptime	15	109	0.90	0.5607
59	ethanol__sweet_	Package	1	109	0.85	0.3593
60	ethanol__sweet_	oil*Package	1	109	1.72	0.1931
61	dimethyloctanol__flor	oil	1	109	12.94	0.0005
62	dimethyloctanol__flor	temptime	15	109	1.15	0.3221
63	dimethyloctanol__flor	Package	1	109	12.94	0.0005
64	dimethyloctanol__flor	oil*Package	1	109	0.06	0.8013
65	propanoic_acid__punge	oil	1	109	0.53	0.4681
66	propanoic_acid__punge	temptime	15	109	1.31	0.2061
67	propanoic_acid__punge	Package	1	109	0.53	0.4681
68	propanoic_acid__punge	oil*Package	1	109	2.69	0.1036
69	__octanol__mushroom_	oil	1	102	0.00	1.0000
70	__octanol__mushroom_	temptime	14	102	0.82	0.6428
71	__octanol__mushroom_	Package	1	102	0.00	1.0000
72	__octanol__mushroom_	oil*Package	2	102	0.00	1.0000
73	methyl_butanol_whiske	oil	1	109	4.66	0.0330
74	methyl_butanol_whiske	temptime	15	109	1.47	0.1295
75	methyl_butanol_whiske	Package	1	109	2.95	0.0889
76	methyl_butanol_whiske	oil*Package	1	109	0.10	0.7531
77	pentanol__fruit_	oil	1	109	5.38	0.0222
78	pentanol__fruit_	temptime	15	109	1.08	0.3869
79	pentanol__fruit_	Package	1	109	7.21	0.0084
80	pentanol__fruit_	oil*Package	1	109	0.00	0.9574
81	__propanol__alcohol_p	oil	1	108	4.23	0.0420
82	__propanol__alcohol_p	temptime	15	108	1.78	0.0466
83	__propanol__alcohol_p	Package	1	108	4.23	0.0420
84	__propanol__alcohol_p	oil*Package	1	108	4.23	0.0420
85	__nonanol__cucumber_	oil	1	109	2.13	0.1477
86	__nonanol__cucumber_	temptime	15	109	1.21	0.2732
87	__nonanol__cucumber_	Package	1	109	20.43	<.0001
88	__nonanol__cucumber_	oil*Package	1	109	0.17	0.6846
89	Benzoic_Acid__urine_	oil	1	109	8.34	0.0047
90	Benzoic_Acid__urine_	temptime	14	109	1.33	0.2036
91	Benzoic_Acid__urine_	Package	1	109	0.01	0.9332
92	Benzoic_Acid__urine_	oil*Package	1	109	1.06	0.3052
93	octanoic_acid__sweat_	oil	1	109	1.18	0.2796
94	octanoic_acid__sweat_	temptime	15	109	1.39	0.1634
95	octanoic_acid__sweat_	Package	1	109	1.18	0.2796
96	octanoic_acid__sweat_	oil*Package	1	109	0.00	0.9927
97	butanedione__diacetyl	oil	1	109	1.55	0.2164
98	butanedione__diacetyl	temptime	15	109	2.18	0.0110
99	butanedione__diacetyl	Package	1	109	0.37	0.5426
100	butanedione__diacetyl	oil*Package	1	109	0.37	0.5426

Least Square means for all effects

Obs	dep var	Effect	oil	temp time	Pack age	Estimate	StdErr	tValue	Prob
1	Hexanoic_Acid__sweat_	oil	HOCAN	_		-1.6872	2066.28	-0.00	0.9993
2	Hexanoic_Acid__sweat_	oil	HOSUN	_		-2.9008	2066.28	-0.00	0.9989
3	Hexanoic_Acid__sweat_	Package		_	LDPE	-2.4041	2066.28	-0.00	0.9991
4	Hexanoic_Acid__sweat_	Package		_	PET	-2.1839	2066.28	-0.00	0.9992
5	Hexanoic_Acid__sweat_	oil*Package	HOCAN	_	LDPE	-1.3470	2066.28	-0.00	0.9995
6	Hexanoic_Acid__sweat_	oil*Package	HOCAN	_	PET	-2.0273	2066.28	-0.00	0.9992
7	Hexanoic_Acid__sweat_	oil*Package	HOSUN	_	LDPE	-3.4612	2066.28	-0.00	0.9987
8	Hexanoic_Acid__sweat_	oil*Package	HOSUN	_	PET	-2.3404	2066.28	-0.00	0.9991
9	Hexanoic_Acid__sweat_	temptime		3040		-22.7388	16561	-0.00	0.9989
10	Hexanoic_Acid__sweat_	temptime		3042		-22.7388	16561	-0.00	0.9989
11	Hexanoic_Acid__sweat_	temptime		3044		-2.1452	1.1174	-1.92	0.0575
12	Hexanoic_Acid__sweat_	temptime		3046		-2.1452	1.1174	-1.92	0.0575
13	Hexanoic_Acid__sweat_	temptime		4034		-22.7388	16561	-0.00	0.9989
14	Hexanoic_Acid__sweat_	temptime		4036		-0.01427	0.7641	-0.02	0.9851
15	Hexanoic_Acid__sweat_	temptime		4038		-0.5916	0.7845	-0.75	0.4524
16	Hexanoic_Acid__sweat_	temptime		4040		-0.5916	0.7845	-0.75	0.4524
17	Hexanoic_Acid__sweat_	temptime		5026		1.2352	0.8807	1.40	0.1636
18	Hexanoic_Acid__sweat_	temptime		5028		2.1652	1.1330	1.91	0.0586
19	Hexanoic_Acid__sweat_	temptime		5030		2.1652	1.1330	1.91	0.0586
20	Hexanoic_Acid__sweat_	temptime		5032		2.1652	1.1330	1.91	0.0586
21	Hexanoic_Acid__sweat_	temptime		6022		2.1652	1.1330	1.91	0.0586
22	Hexanoic_Acid__sweat_	temptime		6024		22.7740	16437	0.00	0.9989
23	Hexanoic_Acid__sweat_	temptime		6026		2.1652	1.1330	1.91	0.0586
24	Hexanoic_Acid__sweat_	temptime		6028		2.1652	1.1330	1.91	0.0586
25	Heptanal__fruity_	oil	HOCAN	_		8.7590	2014.17	0.00	0.9965
26	Heptanal__fruity_	oil	HOSUN	_		7.3924	2014.17	0.00	0.9971
27	Heptanal__fruity_	Package		_	LDPE	7.7309	2014.17	0.00	0.9969
28	Heptanal__fruity_	Package		_	PET	8.4205	2014.17	0.00	0.9967
29	Heptanal__fruity_	oil*Package	HOCAN	_	LDPE	8.7590	2014.17	0.00	0.9965
30	Heptanal__fruity_	oil*Package	HOCAN	_	PET	8.7590	2014.17	0.00	0.9965
31	Heptanal__fruity_	oil*Package	HOSUN	_	LDPE	6.7028	2014.17	0.00	0.9974
32	Heptanal__fruity_	oil*Package	HOSUN	_	PET	8.0820	2014.17	0.00	0.9968
33	Heptanal__fruity_	temptime		3040		0.5632	0.7163	0.79	0.4334
34	Heptanal__fruity_	temptime		3042		-0.03808	0.6875	-0.06	0.9559
35	Heptanal__fruity_	temptime		3044		22.8395	14412	0.00	0.9987
36	Heptanal__fruity_	temptime		3046		2.2236	1.0240	2.17	0.0321
37	Heptanal__fruity_	temptime		4034		1.2579	0.8000	1.57	0.1187
38	Heptanal__fruity_	temptime		4036		0.5632	0.7163	0.79	0.4334
39	Heptanal__fruity_	temptime		4038		22.8395	14412	0.00	0.9987
40	Heptanal__fruity_	temptime		4040		22.8395	14412	0.00	0.9987
41	Heptanal__fruity_	temptime		5026		2.2236	1.0240	2.17	0.0321
42	Heptanal__fruity_	temptime		5028		2.2236	1.0240	2.17	0.0321
43	Heptanal__fruity_	temptime		5030		22.8395	14412	0.00	0.9987

Least Square means for all effects

Obs	dep var	Effect	oil	temptime	Package	Estimate	StdErr	tValue	Prob
44	Heptanal__fruity_	temptime		5032		1.2579	0.8000	1.57	0.1187
45	Heptanal__fruity_	temptime		6022		1.2579	0.8000	1.57	0.1187
46	Heptanal__fruity_	temptime		6024		2.2236	1.0240	2.17	0.0321
47	Heptanal__fruity_	temptime		6026		22.8395	14412	0.00	0.9987
48	Heptanal__fruity_	temptime		6028		1.2579	0.8000	1.57	0.1187
49	Butyric_Acid__rancid_	oil	HOCAN	_		1.4454	1761.38	0.00	0.9993
50	Butyric_Acid__rancid_	oil	HOSUN	_		1.3484	1761.38	0.00	0.9994
51	Butyric_Acid__rancid_	Package		_	LDPE	1.2437	1761.38	0.00	0.9994
52	Butyric_Acid__rancid_	Package		_	PET	1.5501	1761.38	0.00	0.9993
53	Butyric_Acid__rancid_	oil*Package	HOCAN	_	LDPE	0.8373	1761.38	0.00	0.9996
54	Butyric_Acid__rancid_	oil*Package	HOCAN	_	PET	2.0535	1761.38	0.00	0.9991
55	Butyric_Acid__rancid_	oil*Package	HOSUN	_	LDPE	1.6501	1761.38	0.00	0.9993
56	Butyric_Acid__rancid_	oil*Package	HOSUN	_	PET	1.0466	1761.38	0.00	0.9995
57	Butyric_Acid__rancid_	temptime		3040		-0.5386	0.7342	-0.73	0.4648
58	Butyric_Acid__rancid_	temptime		3042		22.6288	16275	0.00	0.9989
59	Butyric_Acid__rancid_	temptime		3044		2.0307	1.0600	1.92	0.0580
60	Butyric_Acid__rancid_	temptime		3046		0.001658	0.7114	0.00	0.9981
61	Butyric_Acid__rancid_	temptime		4034		-1.1561	0.8178	-1.41	0.1603
62	Butyric_Acid__rancid_	temptime		4036		2.0307	1.0600	1.92	0.0580
63	Butyric_Acid__rancid_	temptime		4038		22.6288	16275	0.00	0.9989
64	Butyric_Acid__rancid_	temptime		4040		0.001658	0.7114	0.00	0.9981
65	Butyric_Acid__rancid_	temptime		5026		-2.0330	1.0619	-1.91	0.0582
66	Butyric_Acid__rancid_	temptime		5028		0.5413	0.7335	0.74	0.4621
67	Butyric_Acid__rancid_	temptime		5030		1.1569	0.8164	1.42	0.1593
68	Butyric_Acid__rancid_	temptime		5032		-1.1561	0.8178	-1.41	0.1603
69	Butyric_Acid__rancid_	temptime		6022		-1.1561	0.8178	-1.41	0.1603
70	Butyric_Acid__rancid_	temptime		6024		0.001658	0.7114	0.00	0.9981
71	Butyric_Acid__rancid_	temptime		6026		0.001658	0.7114	0.00	0.9981
72	Butyric_Acid__rancid_	temptime		6028		-22.6335	16262	-0.00	0.9989
73	heptaldehyde__fruity_	oil	HOCAN	_		-29.1990	655.75	-0.04	0.9646
74	heptaldehyde__fruity_	oil	HOSUN	_		-38.8591	798.39	-0.05	0.9613
75	heptaldehyde__fruity_	Package		_	LDPE	-29.1990	655.75	-0.04	0.9646
76	heptaldehyde__fruity_	Package		_	PET	-38.8591	798.39	-0.05	0.9613
77	heptaldehyde__fruity_	oil*Package	HOCAN	_	LDPE	-19.5389	471.78	-0.04	0.9670
78	heptaldehyde__fruity_	oil*Package	HOCAN	_	PET	-38.8591	1025.81	-0.04	0.9699
79	heptaldehyde__fruity_	oil*Package	HOSUN	_	LDPE	-38.8591	1025.81	-0.04	0.9699
80	heptaldehyde__fruity_	oil*Package	HOSUN	_	PET	-38.8591	1025.81	-0.04	0.9699
81	heptaldehyde__fruity_	temptime		3040		-35.3316	1988.52	-0.02	0.9859
82	heptaldehyde__fruity_	temptime		3042		-35.3316	1988.52	-0.02	0.9859
83	heptaldehyde__fruity_	temptime		3044		-35.3316	1988.52	-0.02	0.9859
84	heptaldehyde__fruity_	temptime		3046		-35.3316	1988.52	-0.02	0.9859
85	heptaldehyde__fruity_	temptime		4034		-35.3316	1988.52	-0.02	0.9859
86	heptaldehyde__fruity_	temptime		4036		-35.3316	1988.52	-0.02	0.9859

Least Square means for all effects

Obs	dep_var	Effect	oil	temptime	Package	Estimate	StdErr	tValue	Prob
87	heptaldehyde__fruity_	temptime		4038		-35.3316	1988.52	-0.02	0.9859
88	heptaldehyde__fruity_	temptime		4040		-35.3316	1988.52	-0.02	0.9859
89	heptaldehyde__fruity_	temptime		5026		-35.3316	1988.52	-0.02	0.9859
90	heptaldehyde__fruity_	temptime		5028		-35.3316	1988.52	-0.02	0.9859
91	heptaldehyde__fruity_	temptime		5030		-35.3316	1988.52	-0.02	0.9859
92	heptaldehyde__fruity_	temptime		5032		-35.3316	1988.52	-0.02	0.9859
93	heptaldehyde__fruity_	temptime		6022		-35.3316	1988.52	-0.02	0.9859
94	heptaldehyde__fruity_	temptime		6024		-35.3316	1988.52	-0.02	0.9859
95	heptaldehyde__fruity_	temptime		6026		-14.4901	394.43	-0.04	0.9708
96	heptaldehyde__fruity_	temptime		6028		-35.3317	1988.52	-0.02	0.9859
97	pentylfuran_earthygre	oil	HOCAN	_		-28.5957	1357.03	-0.02	0.9832
98	pentylfuran_earthygre	oil	HOSUN	_		-28.5957	1357.03	-0.02	0.9832
99	pentylfuran_earthygre	Package		_	LDPE	-19.1108	982.25	-0.02	0.9845
100	pentylfuran_earthygre	Package		_	PET	-38.0807	1648.72	-0.02	0.9816
101	pentylfuran_earthygre	oil*Package	HOCAN	_	LDPE	-19.1108	982.25	-0.02	0.9845
102	pentylfuran_earthygre	oil*Package	HOCAN	_	PET	-38.0807	2114.64	-0.02	0.9857
103	pentylfuran_earthygre	oil*Package	HOSUN	_	LDPE	-19.1108	982.25	-0.02	0.9845
104	pentylfuran_earthygre	oil*Package	HOSUN	_	PET	-38.0807	2114.64	-0.02	0.9857
105	pentylfuran_earthygre	temptime		3040		-31.1689	4252.12	-0.01	0.9942
106	pentylfuran_earthygre	temptime		3042		-31.1689	4252.12	-0.01	0.9942
107	pentylfuran_earthygre	temptime		3044		-31.1689	4252.12	-0.01	0.9942
108	pentylfuran_earthygre	temptime		3046		-31.1689	4252.12	-0.01	0.9942
109	pentylfuran_earthygre	temptime		4034		-31.1689	4252.12	-0.01	0.9942
110	pentylfuran_earthygre	temptime		4036		-31.1689	4252.12	-0.01	0.9942
111	pentylfuran_earthygre	temptime		4038		-31.1689	4252.12	-0.01	0.9942
112	pentylfuran_earthygre	temptime		4040		-31.1689	4252.12	-0.01	0.9942
113	pentylfuran_earthygre	temptime		5026		-31.1689	4252.12	-0.01	0.9942
114	pentylfuran_earthygre	temptime		5028		-31.1689	4252.12	-0.01	0.9942
115	pentylfuran_earthygre	temptime		5030		-31.1689	4252.12	-0.01	0.9942
116	pentylfuran_earthygre	temptime		5032		-31.1689	4252.12	-0.01	0.9942
117	pentylfuran_earthygre	temptime		6022		-31.1689	4252.12	-0.01	0.9942
118	pentylfuran_earthygre	temptime		6024		-10.5835	662.09	-0.02	0.9873
119	pentylfuran_earthygre	temptime		6026		-31.1689	4252.12	-0.01	0.9942
120	pentylfuran_earthygre	temptime		6028		-10.5835	662.09	-0.02	0.9873
121	propanal__solvent_pun	oil	HOCAN	_		-9.4640	2326.93	-0.00	0.9968
122	propanal__solvent_pun	oil	HOSUN	_		-8.3182	2326.93	-0.00	0.9972
123	propanal__solvent_pun	Package		_	LDPE	-10.0496	2326.93	-0.00	0.9966
124	propanal__solvent_pun	Package		_	PET	-7.7326	2326.93	-0.00	0.9974
125	propanal__solvent_pun	oil*Package	HOCAN	_	LDPE	-10.9486	2326.93	-0.00	0.9963
126	propanal__solvent_pun	oil*Package	HOCAN	_	PET	-7.9794	2326.93	-0.00	0.9973
127	propanal__solvent_pun	oil*Package	HOSUN	_	LDPE	-9.1506	2326.93	-0.00	0.9969
128	propanal__solvent_pun	oil*Package	HOSUN	_	PET	-7.4858	2326.93	-0.00	0.9974
129	propanal__solvent_pun	temptime		3040		-1.5126	0.8956	-1.69	0.0941

Least Square means for all effects

Obs	dep var	Effect	oil	temp	Pack age	Estimate	StdErr	tValue	Prob
130	propanal__solvent_pun	temptime		3042		-23.0021	15199	-0.00	0.9988
131	propanal__solvent_pun	temptime		3044		-23.0021	15199	-0.00	0.9988
132	propanal__solvent_pun	temptime		3046		-23.0021	15199	-0.00	0.9988
133	propanal__solvent_pun	temptime		4034		-0.7812	0.8306	-0.94	0.3490
134	propanal__solvent_pun	temptime		4036		-23.0021	15199	-0.00	0.9988
135	propanal__solvent_pun	temptime		4038		-23.0021	15199	-0.00	0.9988
136	propanal__solvent_pun	temptime		4040		-23.0021	15199	-0.00	0.9988
137	propanal__solvent_pun	temptime		5026		-0.09148	0.8263	-0.11	0.9120
138	propanal__solvent_pun	temptime		5028		-1.5126	0.8956	-1.69	0.0941
139	propanal__solvent_pun	temptime		5030		-0.09148	0.8263	-0.11	0.9120
140	propanal__solvent_pun	temptime		5032		-0.09148	0.8263	-0.11	0.9120
141	propanal__solvent_pun	temptime		6022		1.4894	0.9679	1.54	0.1267
142	propanal__solvent_pun	temptime		6024		-0.7812	0.8306	-0.94	0.3490
143	propanal__solvent_pun	temptime		6026		-0.7812	0.8306	-0.94	0.3490
144	propanal__solvent_pun	temptime		6028		-0.09148	0.8263	-0.11	0.9120
145	benzaldehyde__almond_	oil	HOCAN	_		14.3405	3810.89	0.00	0.9970
146	benzaldehyde__almond_	oil	HOSUN	_		3.3340	1261.97	0.00	0.9979
147	benzaldehyde__almond_	Package		_	LDPE	14.6373	3810.89	0.00	0.9969
148	benzaldehyde__almond_	Package		_	PET	3.0372	1261.97	0.00	0.9981
149	benzaldehyde__almond_	oil*Package	HOCAN	_	LDPE	25.2940	7301.63	0.00	0.9972
150	benzaldehyde__almond_	oil*Package	HOCAN	_	PET	3.3869	1261.97	0.00	0.9979
151	benzaldehyde__almond_	oil*Package	HOSUN	_	LDPE	3.9806	1261.97	0.00	0.9975
152	benzaldehyde__almond_	oil*Package	HOSUN	_	PET	2.6875	1261.97	0.00	0.9983
153	benzaldehyde__almond_	temptime		3040		27.6798	14390	0.00	0.9985
154	benzaldehyde__almond_	temptime		3042		6.2243	1797.94	0.00	0.9972
155	benzaldehyde__almond_	temptime		3044		5.4844	1797.94	0.00	0.9976
156	benzaldehyde__almond_	temptime		3046		5.4844	1797.94	0.00	0.9976
157	benzaldehyde__almond_	temptime		4034		5.4844	1797.94	0.00	0.9976
158	benzaldehyde__almond_	temptime		4036		27.6798	14390	0.00	0.9985
159	benzaldehyde__almond_	temptime		4038		7.1871	1797.94	0.00	0.9968
160	benzaldehyde__almond_	temptime		4040		7.1871	1797.94	0.00	0.9968
161	benzaldehyde__almond_	temptime		5026		5.4844	1797.94	0.00	0.9976
162	benzaldehyde__almond_	temptime		5028		7.1871	1797.94	0.00	0.9968
163	benzaldehyde__almond_	temptime		5030		4.7453	1797.94	0.00	0.9979
164	benzaldehyde__almond_	temptime		5032		4.7453	1797.94	0.00	0.9979
165	benzaldehyde__almond_	temptime		6022		7.1871	1797.94	0.00	0.9968
166	benzaldehyde__almond_	temptime		6024		7.1871	1797.94	0.00	0.9968
167	benzaldehyde__almond_	temptime		6026		6.2243	1797.94	0.00	0.9972
168	benzaldehyde__almond_	temptime		6028		6.2243	1797.94	0.00	0.9972
169	__methyl_2_buten_1_ol	oil	HOCAN	_		-12.8788	2140.16	-0.01	0.9952
170	__methyl_2_buten_1_ol	oil	HOSUN	_		-13.2869	2140.16	-0.01	0.9951
171	__methyl_2_buten_1_ol	Package		_	LDPE	-12.4932	2140.16	-0.01	0.9954
172	__methyl_2_buten_1_ol	Package		_	PET	-13.6725	2140.16	-0.01	0.9949

Least Square means for all effects

Obs	dep var	Effect	oil	temp	Pack	Estimate	StdErr	tValue	Prob
173	__methyl_2_buten_1_ol	oil*Package	HOCAN	_	LDPE	-12.3190	2140.16	-0.01	0.9954
174	__methyl_2_buten_1_ol	oil*Package	HOCAN	_	PET	-13.4386	2140.16	-0.01	0.9950
175	__methyl_2_buten_1_ol	oil*Package	HOSUN	_	LDPE	-12.6674	2140.16	-0.01	0.9953
176	__methyl_2_buten_1_ol	oil*Package	HOSUN	_	PET	-13.9063	2140.16	-0.01	0.9948
177	__methyl_2_buten_1_ol	temptime		3040		-22.6981	11414	-0.00	0.9984
178	__methyl_2_buten_1_ol	temptime		3042		-22.6981	11414	-0.00	0.9984
179	__methyl_2_buten_1_ol	temptime		3044		-1.1957	0.5842	-2.05	0.0431
180	__methyl_2_buten_1_ol	temptime		3046		-22.6981	11414	-0.00	0.9984
181	__methyl_2_buten_1_ol	temptime		4034		-22.6981	11414	-0.00	0.9984
182	__methyl_2_buten_1_ol	temptime		4036		-22.6981	11414	-0.00	0.9984
183	__methyl_2_buten_1_ol	temptime		4038		-1.1957	0.5842	-2.05	0.0431
184	__methyl_2_buten_1_ol	temptime		4040		-22.6981	11414	-0.00	0.9984
185	__methyl_2_buten_1_ol	temptime		5026		-22.6981	11414	-0.00	0.9984
186	__methyl_2_buten_1_ol	temptime		5028		-22.6981	11414	-0.00	0.9984
187	__methyl_2_buten_1_ol	temptime		5030		-0.5611	0.5252	-1.07	0.2877
188	__methyl_2_buten_1_ol	temptime		5032		-22.6981	11414	-0.00	0.9984
189	__methyl_2_buten_1_ol	temptime		6022		-2.0873	0.7548	-2.77	0.0067
190	__methyl_2_buten_1_ol	temptime		6024		-1.1957	0.5842	-2.05	0.0431
191	__methyl_2_buten_1_ol	temptime		6026		1.1950	0.5851	2.04	0.0435
192	__methyl_2_buten_1_ol	temptime		6028		-0.00174	0.5092	-0.00	0.9973
193	__heptanol__herb_	oil	HOCAN	_		6.1442	1195.88	0.01	0.9959
194	__heptanol__herb_	oil	HOSUN	_		-44.2452	2045.47	-0.02	0.9828
195	__heptanol__herb_	Package		_	LDPE	-14.0838	957.91	-0.01	0.9883
196	__heptanol__herb_	Package		_	PET	-24.0171	1249.64	-0.02	0.9847
197	__heptanol__herb_	oil*Package	HOCAN	_	LDPE	15.6193	1440.19	0.01	0.9914
198	__heptanol__herb_	oil*Package	HOCAN	_	PET	-3.3309	1440.19	-0.00	0.9982
199	__heptanol__herb_	oil*Package	HOSUN	_	LDPE	-43.7870	2045.47	-0.02	0.9830
200	__heptanol__herb_	oil*Package	HOSUN	_	PET	-44.7033	2045.47	-0.02	0.9826
201	__heptanol__herb_	temptime		3040		-55.2029	5301.07	-0.01	0.9917
202	__heptanol__herb_	temptime		3042		-55.2029	5301.07	-0.01	0.9917
203	__heptanol__herb_	temptime		3044		-34.6698	1736.81	-0.02	0.9841
204	__heptanol__herb_	temptime		3046		-55.2029	5301.07	-0.01	0.9917
205	__heptanol__herb_	temptime		4034		-55.2029	5301.07	-0.01	0.9917
206	__heptanol__herb_	temptime		4036		-34.6698	1736.81	-0.02	0.9841
207	__heptanol__herb_	temptime		4038		-55.2029	5301.07	-0.01	0.9917
208	__heptanol__herb_	temptime		4040		-55.2029	5301.07	-0.01	0.9917
209	__heptanol__herb_	temptime		5026		4.2633	2821.57	0.00	0.9988
210	__heptanol__herb_	temptime		5028		4.2633	2821.57	0.00	0.9988
211	__heptanol__herb_	temptime		5030		4.2633	2821.57	0.00	0.9988
212	__heptanol__herb_	temptime		5032		4.2633	2821.57	0.00	0.9988
213	__heptanol__herb_	temptime		6022		24.0434	1314.71	0.02	0.9854
214	__heptanol__herb_	temptime		6024		26.3460	1314.71	0.02	0.9841
215	__heptanol__herb_	temptime		6026		24.0434	1314.71	0.02	0.9854

Least Square means for all effects

Obs	dep var	Effect	oil	time	Pack age	Estimate	StdErr	tValue	Prob
216	__heptanol__herb_	temptime		6028		4.2633	2821.57	0.00	0.9988
217	__octen_3_ol__mushroo	oil	HOCAN	_		5.5914	2181.00	0.00	0.9980
218	__octen_3_ol__mushroo	oil	HOSUN	_		7.1084	2181.00	0.00	0.9974
219	__octen_3_ol__mushroo	Package		_	LDPE	6.5587	2181.00	0.00	0.9976
220	__octen_3_ol__mushroo	Package		_	PET	6.1412	2181.00	0.00	0.9978
221	__octen_3_ol__mushroo	oil*Package	HOCAN	_	LDPE	6.0090	2181.00	0.00	0.9978
222	__octen_3_ol__mushroo	oil*Package	HOCAN	_	PET	5.1739	2181.00	0.00	0.9981
223	__octen_3_ol__mushroo	oil*Package	HOSUN	_	LDPE	7.1084	2181.00	0.00	0.9974
224	__octen_3_ol__mushroo	oil*Package	HOSUN	_	PET	7.1084	2181.00	0.00	0.9974
225	__octen_3_ol__mushroo	temptime		3040		-0.01562	0.6697	-0.02	0.9814
226	__octen_3_ol__mushroo	temptime		3042		22.8027	14229	0.00	0.9987
227	__octen_3_ol__mushroo	temptime		3044		2.1944	0.9859	2.23	0.0281
228	__octen_3_ol__mushroo	temptime		3046		22.8027	14229	0.00	0.9987
229	__octen_3_ol__mushroo	temptime		4034		1.2581	0.7698	1.63	0.1051
230	__octen_3_ol__mushroo	temptime		4036		2.1944	0.9859	2.23	0.0281
231	__octen_3_ol__mushroo	temptime		4038		22.8027	14229	0.00	0.9987
232	__octen_3_ol__mushroo	temptime		4040		1.2581	0.7698	1.63	0.1051
233	__octen_3_ol__mushroo	temptime		5026		22.8027	14229	0.00	0.9987
234	__octen_3_ol__mushroo	temptime		5028		1.2581	0.7698	1.63	0.1051
235	__octen_3_ol__mushroo	temptime		5030		2.1944	0.9859	2.23	0.0281
236	__octen_3_ol__mushroo	temptime		5032		22.8027	14229	0.00	0.9987
237	__octen_3_ol__mushroo	temptime		6022		2.1944	0.9859	2.23	0.0281
238	__octen_3_ol__mushroo	temptime		6024		-2.1727	0.9711	-2.24	0.0273
239	__octen_3_ol__mushroo	temptime		6026		-0.01562	0.6697	-0.02	0.9814
240	__octen_3_ol__mushroo	temptime		6028		-22.7629	14331	-0.00	0.9987
241	butanoic_acid_rancidc	oil	HOCAN	_		8.9013	2188.58	0.00	0.9968
242	butanoic_acid_rancidc	oil	HOSUN	_		9.0693	2188.58	0.00	0.9967
243	butanoic_acid_rancidc	Package		_	LDPE	9.0693	2188.58	0.00	0.9967
244	butanoic_acid_rancidc	Package		_	PET	8.9013	2188.58	0.00	0.9968
245	butanoic_acid_rancidc	oil*Package	HOCAN	_	LDPE	9.2569	2188.58	0.00	0.9966
246	butanoic_acid_rancidc	oil*Package	HOCAN	_	PET	8.5456	2188.58	0.00	0.9969
247	butanoic_acid_rancidc	oil*Package	HOSUN	_	LDPE	8.8818	2188.58	0.00	0.9968
248	butanoic_acid_rancidc	oil*Package	HOSUN	_	PET	9.2569	2188.58	0.00	0.9966
249	butanoic_acid_rancidc	temptime		3040		1.9793	0.9097	2.18	0.0317
250	butanoic_acid_rancidc	temptime		3042		1.9793	0.9097	2.18	0.0317
251	butanoic_acid_rancidc	temptime		3044		-1.9780	0.9087	-2.18	0.0316
252	butanoic_acid_rancidc	temptime		3046		1.9793	0.9097	2.18	0.0317
253	butanoic_acid_rancidc	temptime		4034		22.5974	14296	0.00	0.9987
254	butanoic_acid_rancidc	temptime		4036		22.5974	14296	0.00	0.9987
255	butanoic_acid_rancidc	temptime		4038		-1.9780	0.9087	-2.18	0.0316
256	butanoic_acid_rancidc	temptime		4040		22.5974	14296	0.00	0.9987
257	butanoic_acid_rancidc	temptime		5026		22.5974	14296	0.00	0.9987
258	butanoic_acid_rancidc	temptime		5028		1.9793	0.9097	2.18	0.0317

Least Square means for all effects

Obs	dep_var	Effect	oil	temptime	Package	Estimate	StdErr	tValue	Prob
259	butanoic_acid_rancidc	temptime		5030		-0.00095	0.6039	-0.00	0.9987
260	butanoic_acid_rancidc	temptime		5032		22.5974	14296	0.00	0.9987
261	butanoic_acid_rancidc	temptime		6022		22.5974	14296	0.00	0.9987
262	butanoic_acid_rancidc	temptime		6024		1.1203	0.6968	1.61	0.1108
263	butanoic_acid_rancidc	temptime		6026		1.1203	0.6968	1.61	0.1108
264	butanoic_acid_rancidc	temptime		6028		1.9793	0.9097	2.18	0.0317
265	decanal__minty_	oil	HOCAN	_		6.3411	2003.10	0.00	0.9975
266	decanal__minty_	oil	HOSUN	_		6.1763	2003.10	0.00	0.9975
267	decanal__minty_	Package		_	LDPE	5.9267	2003.10	0.00	0.9976
268	decanal__minty_	Package		_	PET	6.5907	2003.10	0.00	0.9974
269	decanal__minty_	oil*Package	HOCAN	_	LDPE	5.8053	2003.10	0.00	0.9977
270	decanal__minty_	oil*Package	HOCAN	_	PET	6.8770	2003.10	0.00	0.9973
271	decanal__minty_	oil*Package	HOSUN	_	LDPE	6.0481	2003.10	0.00	0.9976
272	decanal__minty_	oil*Package	HOSUN	_	PET	6.3044	2003.10	0.00	0.9975
273	decanal__minty_	temptime		3040		0.002752	0.6866	0.00	0.9968
274	decanal__minty_	temptime		3042		1.1385	0.7895	1.44	0.1522
275	decanal__minty_	temptime		3044		2.0027	1.0280	1.95	0.0540
276	decanal__minty_	temptime		3046		0.002752	0.6866	0.00	0.9968
277	decanal__minty_	temptime		4034		22.6135	16025	0.00	0.9989
278	decanal__minty_	temptime		4036		22.6135	16025	0.00	0.9989
279	decanal__minty_	temptime		4038		2.0027	1.0280	1.95	0.0540
280	decanal__minty_	temptime		4040		2.0027	1.0280	1.95	0.0540
281	decanal__minty_	temptime		5026		-1.1372	0.7917	-1.44	0.1538
282	decanal__minty_	temptime		5028		2.0027	1.0280	1.95	0.0540
283	decanal__minty_	temptime		5030		22.6135	16025	0.00	0.9989
284	decanal__minty_	temptime		5032		0.5327	0.7082	0.75	0.4536
285	decanal__minty_	temptime		6022		-2.0065	1.0312	-1.95	0.0543
286	decanal__minty_	temptime		6024		2.0027	1.0280	1.95	0.0540
287	decanal__minty_	temptime		6026		22.6135	16025	0.00	0.9989
288	decanal__minty_	temptime		6028		1.1385	0.7895	1.44	0.1522
289	__propanol__alcohol_	oil	HOCAN	_		11.2538	2151.29	0.01	0.9958
290	__propanol__alcohol_	oil	HOSUN	_		12.6191	2151.29	0.01	0.9953
291	__propanol__alcohol_	Package		_	LDPE	11.7711	2151.29	0.01	0.9956
292	__propanol__alcohol_	Package		_	PET	12.1018	2151.29	0.01	0.9955
293	__propanol__alcohol_	oil*Package	HOCAN	_	LDPE	11.4136	2151.29	0.01	0.9958
294	__propanol__alcohol_	oil*Package	HOCAN	_	PET	11.0940	2151.29	0.01	0.9959
295	__propanol__alcohol_	oil*Package	HOSUN	_	LDPE	12.1286	2151.29	0.01	0.9955
296	__propanol__alcohol_	oil*Package	HOSUN	_	PET	13.1096	2151.29	0.01	0.9951
297	__propanol__alcohol_	temptime		3040		22.7497	12170	0.00	0.9985
298	__propanol__alcohol_	temptime		3042		22.7497	12170	0.00	0.9985
299	__propanol__alcohol_	temptime		3044		2.1490	0.8177	2.63	0.0098
300	__propanol__alcohol_	temptime		3046		22.7497	12170	0.00	0.9985
301	__propanol__alcohol_	temptime		4034		22.7497	12170	0.00	0.9985

Least Square means for all effects

Obs	dep var	Effect	oil	temptime	Package	Estimate	StdErr	tValue	Prob
302	__propanol__alcohol_	temptime		4036		22.7497	12170	0.00	0.9985
303	__propanol__alcohol_	temptime		4038		22.7497	12170	0.00	0.9985
304	__propanol__alcohol_	temptime		4040		22.7497	12170	0.00	0.9985
305	__propanol__alcohol_	temptime		5026		22.7497	12170	0.00	0.9985
306	__propanol__alcohol_	temptime		5028		1.2470	0.6370	1.96	0.0528
307	__propanol__alcohol_	temptime		5030		2.1490	0.8177	2.63	0.0098
308	__propanol__alcohol_	temptime		5032		2.1490	0.8177	2.63	0.0098
309	__propanol__alcohol_	temptime		6022		0.01741	0.5602	0.03	0.9753
310	__propanol__alcohol_	temptime		6024		-0.5699	0.5798	-0.98	0.3278
311	__propanol__alcohol_	temptime		6026		1.2470	0.6370	1.96	0.0528
312	__propanol__alcohol_	temptime		6028		0.5975	0.5757	1.04	0.3016
313	__4_heptadienal__frie	oil	HOCAN	_		-4.2866	1938.23	-0.00	0.9982
314	__4_heptadienal__frie	oil	HOSUN	_		-5.6866	1938.23	-0.00	0.9977
315	__4_heptadienal__frie	Package		_	LDPE	-5.1973	1938.23	-0.00	0.9979
316	__4_heptadienal__frie	Package		_	PET	-4.7759	1938.23	-0.00	0.9980
317	__4_heptadienal__frie	oil*Package	HOCAN	_	LDPE	-4.3940	1938.23	-0.00	0.9982
318	__4_heptadienal__frie	oil*Package	HOCAN	_	PET	-4.1793	1938.23	-0.00	0.9983
319	__4_heptadienal__frie	oil*Package	HOSUN	_	LDPE	-6.0006	1938.23	-0.00	0.9975
320	__4_heptadienal__frie	oil*Package	HOSUN	_	PET	-5.3726	1938.23	-0.00	0.9978
321	__4_heptadienal__frie	temptime		3040		-2.1380	1.2076	-1.77	0.0794
322	__4_heptadienal__frie	temptime		3042		-2.1380	1.2076	-1.77	0.0794
323	__4_heptadienal__frie	temptime		3044		-1.2349	0.9402	-1.31	0.1918
324	__4_heptadienal__frie	temptime		3046		-22.7238	17905	-0.00	0.9990
325	__4_heptadienal__frie	temptime		4034		-22.7238	17905	-0.00	0.9990
326	__4_heptadienal__frie	temptime		4036		-2.1380	1.2076	-1.77	0.0794
327	__4_heptadienal__frie	temptime		4038		-22.7238	17905	-0.00	0.9990
328	__4_heptadienal__frie	temptime		4040		-2.1380	1.2076	-1.77	0.0794
329	__4_heptadienal__frie	temptime		5026		-1.2349	0.9402	-1.31	0.1918
330	__4_heptadienal__frie	temptime		5028		1.2320	0.9468	1.30	0.1959
331	__4_heptadienal__frie	temptime		5030		-2.1380	1.2076	-1.77	0.0794
332	__4_heptadienal__frie	temptime		5032		-1.2349	0.9402	-1.31	0.1918
333	__4_heptadienal__frie	temptime		6022		-0.00728	0.8268	-0.01	0.9930
334	__4_heptadienal__frie	temptime		6024		2.1481	1.2169	1.77	0.0803
335	__4_heptadienal__frie	temptime		6026		-0.5851	0.8501	-0.69	0.4927
336	__4_heptadienal__frie	temptime		6028		-0.00728	0.8268	-0.01	0.9930
337	ethanol__sweet_	oil	HOCAN	_		1.2757	1213.20	0.00	0.9992
338	ethanol__sweet_	oil	HOSUN	_		6.0332	1213.20	0.00	0.9960
339	ethanol__sweet_	Package		_	LDPE	3.3150	1213.20	0.00	0.9978
340	ethanol__sweet_	Package		_	PET	3.9940	1213.20	0.00	0.9974
341	ethanol__sweet_	oil*Package	HOCAN	_	LDPE	1.4195	1213.20	0.00	0.9991
342	ethanol__sweet_	oil*Package	HOCAN	_	PET	1.1320	1213.20	0.00	0.9993
343	ethanol__sweet_	oil*Package	HOSUN	_	LDPE	5.2105	1213.20	0.00	0.9966
344	ethanol__sweet_	oil*Package	HOSUN	_	PET	6.8559	1213.20	0.01	0.9955

Least Square means for all effects

Obs	dep var	Effect	oil	temp time	Pack age	Estimate	StdErr	tValue	Prob
345	ethanol__sweet_	temptime		3040		0.1254	1.2749	0.10	0.9218
346	ethanol__sweet_	temptime		3042		0.1254	1.2749	0.10	0.9218
347	ethanol__sweet_	temptime		3044		0.1254	1.2749	0.10	0.9218
348	ethanol__sweet_	temptime		3046		-1.2592	1.1961	-1.05	0.2948
349	ethanol__sweet_	temptime		4034		0.1254	1.2749	0.10	0.9218
350	ethanol__sweet_	temptime		4036		1.4247	1.1453	1.24	0.2162
351	ethanol__sweet_	temptime		4038		0.1254	1.2749	0.10	0.9218
352	ethanol__sweet_	temptime		4040		0.1254	1.2749	0.10	0.9218
353	ethanol__sweet_	temptime		5026		23.7665	13726	0.00	0.9986
354	ethanol__sweet_	temptime		5028		23.7665	13726	0.00	0.9986
355	ethanol__sweet_	temptime		5030		3.5028	1.2720	2.75	0.0069
356	ethanol__sweet_	temptime		5032		1.4247	1.1453	1.24	0.2162
357	ethanol__sweet_	temptime		6022		1.4247	1.1453	1.24	0.2162
358	ethanol__sweet_	temptime		6024		1.4247	1.1453	1.24	0.2162
359	ethanol__sweet_	temptime		6026		3.5028	1.2720	2.75	0.0069
360	ethanol__sweet_	temptime		6028		-1.2592	1.1961	-1.05	0.2948
361	dimethyloctanol__flor	oil	HOCAN	_		-12.2413	2126.01	-0.01	0.9954
362	dimethyloctanol__flor	oil	HOSUN	_		-14.9701	2126.01	-0.01	0.9944
363	dimethyloctanol__flor	Package		_	LDPE	-14.9701	2126.01	-0.01	0.9944
364	dimethyloctanol__flor	Package		_	PET	-12.2413	2126.01	-0.01	0.9954
365	dimethyloctanol__flor	oil*Package	HOCAN	_	LDPE	-13.6931	2126.01	-0.01	0.9949
366	dimethyloctanol__flor	oil*Package	HOCAN	_	PET	-10.7895	2126.01	-0.01	0.9960
367	dimethyloctanol__flor	oil*Package	HOSUN	_	LDPE	-16.2472	2126.01	-0.01	0.9939
368	dimethyloctanol__flor	oil*Package	HOSUN	_	PET	-13.6931	2126.01	-0.01	0.9949
369	dimethyloctanol__flor	temptime		3040		-23.8356	10254	-0.00	0.9981
370	dimethyloctanol__flor	temptime		3042		-23.8356	10254	-0.00	0.9981
371	dimethyloctanol__flor	temptime		3044		-23.8356	10254	-0.00	0.9981
372	dimethyloctanol__flor	temptime		3046		-23.8356	10254	-0.00	0.9981
373	dimethyloctanol__flor	temptime		4034		-23.8356	10254	-0.00	0.9981
374	dimethyloctanol__flor	temptime		4036		-23.8356	10254	-0.00	0.9981
375	dimethyloctanol__flor	temptime		4038		-23.8356	10254	-0.00	0.9981
376	dimethyloctanol__flor	temptime		4040		-23.8356	10254	-0.00	0.9981
377	dimethyloctanol__flor	temptime		5026		-23.8356	10254	-0.00	0.9981
378	dimethyloctanol__flor	temptime		5028		-1.8206	0.7884	-2.31	0.0228
379	dimethyloctanol__flor	temptime		5030		-3.1373	0.9978	-3.14	0.0021
380	dimethyloctanol__flor	temptime		5032		-23.8356	10254	-0.00	0.9981
381	dimethyloctanol__flor	temptime		6022		-0.7942	0.6873	-1.16	0.2504
382	dimethyloctanol__flor	temptime		6024		23.7052	10275	0.00	0.9982
383	dimethyloctanol__flor	temptime		6026		0.8814	0.6701	1.32	0.1912
384	dimethyloctanol__flor	temptime		6028		1.8298	0.7561	2.42	0.0172
385	propanoic_acid__punge	oil	HOCAN	_		-6.2225	2306.91	-0.00	0.9979
386	propanoic_acid__punge	oil	HOSUN	_		-6.6984	2306.91	-0.00	0.9977
387	propanoic_acid__punge	Package		_	LDPE	-6.2225	2306.91	-0.00	0.9979

Least Square means for all effects

Obs	dep var	Effect	oil	temp time	Pack age	Estimate	StdErr	t Value	Prob
388	propanoic_acid__punge	Package		_	PET	-6.6984	2306.91	-0.00	0.9977
389	propanoic_acid__punge	oil*Package	HOCAN	_	LDPE	-5.4293	2306.91	-0.00	0.9981
390	propanoic_acid__punge	oil*Package	HOCAN	_	PET	-7.0157	2306.91	-0.00	0.9976
391	propanoic_acid__punge	oil*Package	HOSUN	_	LDPE	-7.0157	2306.91	-0.00	0.9976
392	propanoic_acid__punge	oil*Package	HOSUN	_	PET	-6.3812	2306.91	-0.00	0.9978
393	propanoic_acid__punge	temptime		3040		-22.7418	12283	-0.00	0.9985
394	propanoic_acid__punge	temptime		3042		-22.7418	12283	-0.00	0.9985
395	propanoic_acid__punge	temptime		3044		-2.1097	0.8379	-2.52	0.0133
396	propanoic_acid__punge	temptime		3046		-22.7418	12283	-0.00	0.9985
397	propanoic_acid__punge	temptime		4034		-22.7418	12283	-0.00	0.9985
398	propanoic_acid__punge	temptime		4036		-22.7418	12283	-0.00	0.9985
399	propanoic_acid__punge	temptime		4038		-22.7418	12283	-0.00	0.9985
400	propanoic_acid__punge	temptime		4040		-22.7418	12283	-0.00	0.9985
401	propanoic_acid__punge	temptime		5026		22.7019	12376	0.00	0.9985
402	propanoic_acid__punge	temptime		5028		2.0885	0.8185	2.55	0.0121
403	propanoic_acid__punge	temptime		5030		2.0885	0.8185	2.55	0.0121
404	propanoic_acid__punge	temptime		5032		2.0885	0.8185	2.55	0.0121
405	propanoic_acid__punge	temptime		6022		2.0885	0.8185	2.55	0.0121
406	propanoic_acid__punge	temptime		6024		2.0885	0.8185	2.55	0.0121
407	propanoic_acid__punge	temptime		6026		22.7019	12376	0.00	0.9985
408	propanoic_acid__punge	temptime		6028		2.0885	0.8185	2.55	0.0121
409	__octanol__mushroom_	oil	HOCAN	_		-3.0495	2182.51	-0.00	0.9989
410	__octanol__mushroom_	oil	HOSUN	_		-24.4739	3507.05	-0.01	0.9944
411	__octanol__mushroom_	Package		_	LDPE	-3.5569	2182.51	-0.00	0.9987
412	__octanol__mushroom_	Package		_	PET	-23.9666	3507.05	-0.01	0.9946
413	__octanol__mushroom_	oil*Package	HOCAN	_	LDPE	-1.6953	2182.51	-0.00	0.9994
414	__octanol__mushroom_	oil*Package	HOCAN	_	PET	-4.4038	2182.51	-0.00	0.9984
415	__octanol__mushroom_	oil*Package	HOSUN	_	LDPE	-5.4185	2182.51	-0.00	0.9980
416	__octanol__mushroom_	oil*Package	HOSUN	_	PET	-43.5294	6613.24	-0.01	0.9948
417	__octanol__mushroom_	temptime		3040		-32.9579	12831	-0.00	0.9980
418	__octanol__mushroom_	temptime		3042		-32.9579	12831	-0.00	0.9980
419	__octanol__mushroom_	temptime		3044		-12.3346	1728.42	-0.01	0.9943
420	__octanol__mushroom_	temptime		3046		-32.9579	12831	-0.00	0.9980
421	__octanol__mushroom_	temptime		4034		-32.9579	12831	-0.00	0.9980
422	__octanol__mushroom_	temptime		4036		-32.9579	12831	-0.00	0.9980
423	__octanol__mushroom_	temptime		4038		-32.9579	12831	-0.00	0.9980
424	__octanol__mushroom_	temptime		4040		-12.3346	1728.42	-0.01	0.9943
425	__octanol__mushroom_	temptime		5026		-10.9273	1728.42	-0.01	0.9950
426	__octanol__mushroom_	temptime		5028		-9.7713	1728.42	-0.01	0.9955
427	__octanol__mushroom_	temptime		5030		-10.9273	1728.42	-0.01	0.9950
428	__octanol__mushroom_	temptime		5032		-10.9273	1728.42	-0.01	0.9950
429	__octanol__mushroom_	temptime		6022		10.8305	3794.40	0.00	0.9977
430	__octanol__mushroom_	temptime		6024		50.3795	12657	0.00	0.9968

Least Square means for all effects

Obs	dep_var	Effect	oil	temptime	Package	Estimate	StdErr	tValue	Prob
431	__octanol__mushroom_	temptime		6026		-8.7742	1728.42	-0.01	0.9960
432	__octanol__mushroom_	temptime		6028		-7.6536	1728.42	-0.00	0.9965
433	methyl_butanol_whiske	oil	HOCAN	_		-5.2169	2031.09	-0.00	0.9980
434	methyl_butanol_whiske	oil	HOSUN	_		-6.3399	2031.09	-0.00	0.9975
435	methyl_butanol_whiske	Package		_	LDPE	-6.2185	2031.09	-0.00	0.9976
436	methyl_butanol_whiske	Package		_	PET	-5.3383	2031.09	-0.00	0.9979
437	methyl_butanol_whiske	oil*Package	HOCAN	_	LDPE	-5.7363	2031.09	-0.00	0.9978
438	methyl_butanol_whiske	oil*Package	HOCAN	_	PET	-4.6975	2031.09	-0.00	0.9982
439	methyl_butanol_whiske	oil*Package	HOSUN	_	LDPE	-6.7006	2031.09	-0.00	0.9974
440	methyl_butanol_whiske	oil*Package	HOSUN	_	PET	-5.9791	2031.09	-0.00	0.9977
441	methyl_butanol_whiske	temptime		3040		-22.7411	16249	-0.00	0.9989
442	methyl_butanol_whiske	temptime		3042		1.2242	0.8517	1.44	0.1535
443	methyl_butanol_whiske	temptime		3044		-1.2205	0.8596	-1.42	0.1585
444	methyl_butanol_whiske	temptime		3046		-2.1382	1.1078	-1.93	0.0562
445	methyl_butanol_whiske	temptime		4034		-22.7411	16249	-0.00	0.9989
446	methyl_butanol_whiske	temptime		4036		1.2242	0.8517	1.44	0.1535
447	methyl_butanol_whiske	temptime		4038		-22.7411	16249	-0.00	0.9989
448	methyl_butanol_whiske	temptime		4040		-22.7411	16249	-0.00	0.9989
449	methyl_butanol_whiske	temptime		5026		-2.1382	1.1078	-1.93	0.0562
450	methyl_butanol_whiske	temptime		5028		1.2242	0.8517	1.44	0.1535
451	methyl_butanol_whiske	temptime		5030		-0.5651	0.7726	-0.73	0.4661
452	methyl_butanol_whiske	temptime		5032		0.009359	0.7476	0.01	0.9900
453	methyl_butanol_whiske	temptime		6022		1.2242	0.8517	1.44	0.1535
454	methyl_butanol_whiske	temptime		6024		1.2242	0.8517	1.44	0.1535
455	methyl_butanol_whiske	temptime		6026		-2.1382	1.1078	-1.93	0.0562
456	methyl_butanol_whiske	temptime		6028		0.5800	0.7687	0.75	0.4522
457	pentanol__fruit_	oil	HOCAN	_		-3.6412	2414.42	-0.00	0.9988
458	pentanol__fruit_	oil	HOSUN	_		-5.2093	2414.42	-0.00	0.9983
459	pentanol__fruit_	Package		_	LDPE	-3.4980	2414.42	-0.00	0.9988
460	pentanol__fruit_	Package		_	PET	-5.3526	2414.42	-0.00	0.9982
461	pentanol__fruit_	oil*Package	HOCAN	_	LDPE	-2.7314	2414.42	-0.00	0.9991
462	pentanol__fruit_	oil*Package	HOCAN	_	PET	-4.5510	2414.42	-0.00	0.9985
463	pentanol__fruit_	oil*Package	HOSUN	_	LDPE	-4.2646	2414.42	-0.00	0.9986
464	pentanol__fruit_	oil*Package	HOSUN	_	PET	-6.1541	2414.42	-0.00	0.9980
465	pentanol__fruit_	temptime		3040		-23.0381	17291	-0.00	0.9989
466	pentanol__fruit_	temptime		3042		-23.0381	17291	-0.00	0.9989
467	pentanol__fruit_	temptime		3044		-0.00550	0.9082	-0.01	0.9952
468	pentanol__fruit_	temptime		3046		-23.0381	17291	-0.00	0.9989
469	pentanol__fruit_	temptime		4034		-2.4429	1.3015	-1.88	0.0632
470	pentanol__fruit_	temptime		4036		-0.6773	0.9340	-0.73	0.4699
471	pentanol__fruit_	temptime		4038		-0.00550	0.9082	-0.01	0.9952
472	pentanol__fruit_	temptime		4040		-23.0381	17291	-0.00	0.9989
473	pentanol__fruit_	temptime		5026		-2.4429	1.3015	-1.88	0.0632

Least Square means for all effects

Obs	dep var	Effect	oil	temptime	Package	Estimate	StdErr	tValue	Prob
474	pentanol__fruit_	temptime		5028		2.4509	1.3086	1.87	0.0638
475	pentanol__fruit_	temptime		5030		-0.00550	0.9082	-0.01	0.9952
476	pentanol__fruit_	temptime		5032		-2.4429	1.3015	-1.88	0.0632
477	pentanol__fruit_	temptime		6022		-0.00550	0.9082	-0.01	0.9952
478	pentanol__fruit_	temptime		6024		2.4509	1.3086	1.87	0.0638
479	pentanol__fruit_	temptime		6026		23.0459	17215	0.00	0.9989
480	pentanol__fruit_	temptime		6028		1.4284	1.0356	1.38	0.1707
481	__propanol__alcohol_p	oil	HOCAN	_		16.8311	1823.12	0.01	0.9927
482	__propanol__alcohol_p	oil	HOSUN	_		17.9338	1823.12	0.01	0.9922
483	__propanol__alcohol_p	Package		_	LDPE	16.8311	1823.12	0.01	0.9927
484	__propanol__alcohol_p	Package		_	PET	17.9338	1823.12	0.01	0.9922
485	__propanol__alcohol_p	oil*Package	HOCAN	_	LDPE	16.8311	1823.12	0.01	0.9927
486	__propanol__alcohol_p	oil*Package	HOCAN	_	PET	16.8311	1823.12	0.01	0.9927
487	__propanol__alcohol_p	oil*Package	HOSUN	_	LDPE	16.8311	1823.12	0.01	0.9927
488	__propanol__alcohol_p	oil*Package	HOSUN	_	PET	19.0365	1823.12	0.01	0.9917
489	__propanol__alcohol_p	temptime		3040		22.8058	8420.61	0.00	0.9978
490	__propanol__alcohol_p	temptime		3042		22.8058	8420.61	0.00	0.9978
491	__propanol__alcohol_p	temptime		3044		-1.2912	0.4983	-2.59	0.0109
492	__propanol__alcohol_p	temptime		3046		22.8058	8420.61	0.00	0.9978
493	__propanol__alcohol_p	temptime		4034		22.8058	8420.61	0.00	0.9978
494	__propanol__alcohol_p	temptime		4036		22.8058	8420.61	0.00	0.9978
495	__propanol__alcohol_p	temptime		4038		1.3185	0.4532	2.91	0.0044
496	__propanol__alcohol_p	temptime		4040		2.2109	0.5876	3.76	0.0003
497	__propanol__alcohol_p	temptime		5026		22.8058	8420.61	0.00	0.9978
498	__propanol__alcohol_p	temptime		5028		22.8058	8420.61	0.00	0.9978
499	__propanol__alcohol_p	temptime		5030		22.8058	8420.61	0.00	0.9978
500	__propanol__alcohol_p	temptime		5032		22.8058	8420.61	0.00	0.9978
501	__propanol__alcohol_p	temptime		6022		2.2109	0.5876	3.76	0.0003
502	__propanol__alcohol_p	temptime		6024		22.8058	8420.61	0.00	0.9978
503	__propanol__alcohol_p	temptime		6026		22.8058	8420.61	0.00	0.9978
504	__propanol__alcohol_p	temptime		6028		22.8058	8420.62	0.00	0.9978
505	__nonanol__cucumber_	oil	HOCAN	_		-15.8262	1882.83	-0.01	0.9933
506	__nonanol__cucumber_	oil	HOSUN	_		-16.5619	1882.83	-0.01	0.9930
507	__nonanol__cucumber_	Package		_	LDPE	-17.4623	1882.83	-0.01	0.9926
508	__nonanol__cucumber_	Package		_	PET	-14.9258	1882.83	-0.01	0.9937
509	__nonanol__cucumber_	oil*Package	HOCAN	_	LDPE	-16.9922	1882.83	-0.01	0.9928
510	__nonanol__cucumber_	oil*Package	HOCAN	_	PET	-14.6602	1882.83	-0.01	0.9938
511	__nonanol__cucumber_	oil*Package	HOSUN	_	LDPE	-17.9325	1882.83	-0.01	0.9924
512	__nonanol__cucumber_	oil*Package	HOSUN	_	PET	-15.1913	1882.83	-0.01	0.9936
513	__nonanol__cucumber_	temptime		3040		-23.1120	9083.12	-0.00	0.9980
514	__nonanol__cucumber_	temptime		3042		-23.1120	9083.12	-0.00	0.9980
515	__nonanol__cucumber_	temptime		3044		-23.1120	9083.12	-0.00	0.9980
516	__nonanol__cucumber_	temptime		3046		-23.1120	9083.12	-0.00	0.9980

Least Square means for all effects

Obs	dep var	Effect	oil	time	Pack age	Estimate	StdErr	t Value	Prob
517	__nonanol__cucumber_	temptime		4034		-23.1120	9083.12	-0.00	0.9980
518	__nonanol__cucumber_	temptime		4036		-23.1120	9083.12	-0.00	0.9980
519	__nonanol__cucumber_	temptime		4038		-23.1120	9083.12	-0.00	0.9980
520	__nonanol__cucumber_	temptime		4040		-23.1120	9083.12	-0.00	0.9980
521	__nonanol__cucumber_	temptime		5026		-23.1120	9083.12	-0.00	0.9980
522	__nonanol__cucumber_	temptime		5028		-1.5260	0.5536	-2.76	0.0069
523	__nonanol__cucumber_	temptime		5030		-23.1120	9083.12	-0.00	0.9980
524	__nonanol__cucumber_	temptime		5032		-23.1120	9083.12	-0.00	0.9980
525	__nonanol__cucumber_	temptime		6022		-2.5211	0.6843	-3.68	0.0004
526	__nonanol__cucumber_	temptime		6024		0.7211	0.5092	1.42	0.1596
527	__nonanol__cucumber_	temptime		6026		-0.02062	0.4935	-0.04	0.9667
528	__nonanol__cucumber_	temptime		6028		-1.5260	0.5536	-2.76	0.0069
529	Benzoic_Acid__urine_	oil	HOCAN	_		15.0572	2147.81	0.01	0.9944
530	Benzoic_Acid__urine_	oil	HOSUN	_		13.7080	2147.81	0.01	0.9949
531	Benzoic_Acid__urine_	Package		_	LDPE	14.3636	2147.81	0.01	0.9947
532	Benzoic_Acid__urine_	Package		_	PET	14.4015	2147.81	0.01	0.9947
533	Benzoic_Acid__urine_	oil*Package	HOCAN	_	LDPE	14.8054	2147.81	0.01	0.9945
534	Benzoic_Acid__urine_	oil*Package	HOCAN	_	PET	15.3089	2147.81	0.01	0.9943
535	Benzoic_Acid__urine_	oil*Package	HOSUN	_	LDPE	13.9219	2147.81	0.01	0.9948
536	Benzoic_Acid__urine_	oil*Package	HOSUN	_	PET	13.4940	2147.81	0.01	0.9950
537	Benzoic_Acid__urine_	temptime		3040		-1.2244	0.5673	-2.16	0.0331
538	Benzoic_Acid__urine_	temptime		3042		22.7412	10867	0.00	0.9983
539	Benzoic_Acid__urine_	temptime		3044		0.5759	0.5099	1.13	0.2611
540	Benzoic_Acid__urine_	temptime		3046		0.5759	0.5099	1.13	0.2611
541	Benzoic_Acid__urine_	temptime		4034		-0.5737	0.5101	-1.12	0.2632
542	Benzoic_Acid__urine_	temptime		4036		22.7412	10867	0.00	0.9983
543	Benzoic_Acid__urine_	temptime		4038		2.1297	0.7294	2.92	0.0043
544	Benzoic_Acid__urine_	temptime		4040		22.7412	10867	0.00	0.9983
545	Benzoic_Acid__urine_	temptime		5026		1.2250	0.5666	2.16	0.0328
546	Benzoic_Acid__urine_	temptime		5028		22.7412	10867	0.00	0.9983
547	Benzoic_Acid__urine_	temptime		5030		22.7412	10867	0.00	0.9983
548	Benzoic_Acid__urine_	temptime		5032		22.7412	10867	0.00	0.9983
549	Benzoic_Acid__urine_	temptime		6022		22.7412	10867	0.00	0.9983
550	Benzoic_Acid__urine_	temptime		6024		22.7412	10867	0.00	0.9983
551	Benzoic_Acid__urine_	temptime		6026		22.7412	10867	0.00	0.9983
552	Benzoic_Acid__urine_	temptime		6028		22.7413	10867	0.00	0.9983
553	octanoic_acid__sweat_	oil	HOCAN	_		7.2861	2123.89	0.00	0.9973
554	octanoic_acid__sweat_	oil	HOSUN	_		6.7991	2123.89	0.00	0.9975
555	octanoic_acid__sweat_	Package		_	LDPE	7.2861	2123.89	0.00	0.9973
556	octanoic_acid__sweat_	Package		_	PET	6.7991	2123.89	0.00	0.9975
557	octanoic_acid__sweat_	oil*Package	HOCAN	_	LDPE	7.5316	2123.89	0.00	0.9972
558	octanoic_acid__sweat_	oil*Package	HOCAN	_	PET	7.0406	2123.89	0.00	0.9974
559	octanoic_acid__sweat_	oil*Package	HOSUN	_	LDPE	7.0406	2123.89	0.00	0.9974

Least Square means for all effects

Obs	depvar	Effect	oil	temptime	Package	Estimate	StdErr	tValue	Prob
560	octanoic_acid__sweat_	oil*Package	HOSUN	_	PET	6.5576	2123.89	0.00	0.9975
561	octanoic_acid__sweat_	temptime		3040		-1.9900	0.9715	-2.05	0.0429
562	octanoic_acid__sweat_	temptime		3042		1.1280	0.7450	1.51	0.1329
563	octanoic_acid__sweat_	temptime		3044		22.6036	15197	0.00	0.9988
564	octanoic_acid__sweat_	temptime		3046		-0.5255	0.6675	-0.79	0.4329
565	octanoic_acid__sweat_	temptime		4034		-1.1280	0.7450	-1.51	0.1329
566	octanoic_acid__sweat_	temptime		4036		0.5256	0.6675	0.79	0.4328
567	octanoic_acid__sweat_	temptime		4038		22.6036	15197	0.00	0.9988
568	octanoic_acid__sweat_	temptime		4040		0.5256	0.6675	0.79	0.4328
569	octanoic_acid__sweat_	temptime		5026		-1.9900	0.9715	-2.05	0.0429
570	octanoic_acid__sweat_	temptime		5028		1.1280	0.7450	1.51	0.1329
571	octanoic_acid__sweat_	temptime		5030		22.6036	15197	0.00	0.9988
572	octanoic_acid__sweat_	temptime		5032		0.000060	0.6467	0.00	0.9999
573	octanoic_acid__sweat_	temptime		6022		0.000060	0.6467	0.00	0.9999
574	octanoic_acid__sweat_	temptime		6024		22.6036	15197	0.00	0.9988
575	octanoic_acid__sweat_	temptime		6026		22.6036	15197	0.00	0.9988
576	octanoic_acid__sweat_	temptime		6028		1.9899	0.9714	2.05	0.0429
577	butanedione__diacetyl	oil	HOCAN	_		-7.0988	2053.08	-0.00	0.9972
578	butanedione__diacetyl	oil	HOSUN	_		-7.7109	2053.08	-0.00	0.9970
579	butanedione__diacetyl	Package		_	LDPE	-7.2561	2053.08	-0.00	0.9972
580	butanedione__diacetyl	Package		_	PET	-7.5536	2053.08	-0.00	0.9971
581	butanedione__diacetyl	oil*Package	HOCAN	_	LDPE	-6.8013	2053.08	-0.00	0.9974
582	butanedione__diacetyl	oil*Package	HOCAN	_	PET	-7.3964	2053.08	-0.00	0.9971
583	butanedione__diacetyl	oil*Package	HOSUN	_	LDPE	-7.7109	2053.08	-0.00	0.9970
584	butanedione__diacetyl	oil*Package	HOSUN	_	PET	-7.7109	2053.08	-0.00	0.9970
585	butanedione__diacetyl	temptime		3040		-0.5252	0.6483	-0.81	0.4196
586	butanedione__diacetyl	temptime		3042		-22.6168	14691	-0.00	0.9988
587	butanedione__diacetyl	temptime		3044		-1.9994	0.9438	-2.12	0.0364
588	butanedione__diacetyl	temptime		3046		-22.6168	14691	-0.00	0.9988
589	butanedione__diacetyl	temptime		4034		-0.5252	0.6483	-0.81	0.4196
590	butanedione__diacetyl	temptime		4036		-1.9994	0.9438	-2.12	0.0364
591	butanedione__diacetyl	temptime		4038		-22.6168	14691	-0.00	0.9988
592	butanedione__diacetyl	temptime		4040		-22.6168	14691	-0.00	0.9988
593	butanedione__diacetyl	temptime		5026		-1.9994	0.9438	-2.12	0.0364
594	butanedione__diacetyl	temptime		5028		-1.9994	0.9438	-2.12	0.0364
595	butanedione__diacetyl	temptime		5030		-1.9994	0.9438	-2.12	0.0364
596	butanedione__diacetyl	temptime		5032		-22.6168	14691	-0.00	0.9988
597	butanedione__diacetyl	temptime		6022		1.1335	0.7216	1.57	0.1191
598	butanedione__diacetyl	temptime		6024		1.9947	0.9402	2.12	0.0361
599	butanedione__diacetyl	temptime		6026		1.9947	0.9402	2.12	0.0361
600	butanedione__diacetyl	temptime		6028		0.5306	0.6471	0.82	0.4141

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1	Hexanoic_Acid__sweat_	3046	5028	-4.3104	1.6066	109	-2.68	0.3552
2	Hexanoic_Acid__sweat_	3046	5030	-4.3104	1.6066	109	-2.68	0.3552
3	Hexanoic_Acid__sweat_	3046	5032	-4.3104	1.6066	109	-2.68	0.3552
4	Hexanoic_Acid__sweat_	3046	6022	-4.3104	1.6066	109	-2.68	0.3552
5	Hexanoic_Acid__sweat_	3046	6026	-4.3104	1.6066	109	-2.68	0.3552
6	Hexanoic_Acid__sweat_	3044	5028	-4.3104	1.6066	109	-2.68	0.3552
7	Hexanoic_Acid__sweat_	3044	5030	-4.3104	1.6066	109	-2.68	0.3552
8	Hexanoic_Acid__sweat_	3044	6022	-4.3104	1.6066	109	-2.68	0.3552
9	Hexanoic_Acid__sweat_	3044	6026	-4.3104	1.6066	109	-2.68	0.3552
10	Hexanoic_Acid__sweat_	3044	5032	-4.3104	1.6066	109	-2.68	0.3552
11	Hexanoic_Acid__sweat_	3046	6028	-4.3104	1.6066	109	-2.68	0.3552
12	Hexanoic_Acid__sweat_	3044	6028	-4.3104	1.6066	109	-2.68	0.3552
13	Hexanoic_Acid__sweat_	3046	5026	-3.3804	1.4338	109	-2.36	0.5827
14	Hexanoic_Acid__sweat_	3044	5026	-3.3804	1.4338	109	-2.36	0.5827
15	Hexanoic_Acid__sweat_	4038	5028	-2.7568	1.3861	109	-1.99	0.8259
16	Hexanoic_Acid__sweat_	4038	5030	-2.7568	1.3861	109	-1.99	0.8259
17	Hexanoic_Acid__sweat_	4038	6022	-2.7568	1.3861	109	-1.99	0.8259
18	Hexanoic_Acid__sweat_	4038	6026	-2.7568	1.3861	109	-1.99	0.8259
19	Hexanoic_Acid__sweat_	4040	5028	-2.7568	1.3861	109	-1.99	0.8259
20	Hexanoic_Acid__sweat_	4040	5030	-2.7568	1.3861	109	-1.99	0.8259
21	Hexanoic_Acid__sweat_	4040	6026	-2.7568	1.3861	109	-1.99	0.8259
22	Hexanoic_Acid__sweat_	4040	6022	-2.7568	1.3861	109	-1.99	0.8259
23	Hexanoic_Acid__sweat_	4038	5032	-2.7568	1.3861	109	-1.99	0.8259
24	Hexanoic_Acid__sweat_	4040	5032	-2.7568	1.3861	109	-1.99	0.8259
25	Hexanoic_Acid__sweat_	4038	6028	-2.7568	1.3861	109	-1.99	0.8259
26	Hexanoic_Acid__sweat_	4040	6028	-2.7568	1.3861	109	-1.99	0.8259
27	Hexanoic_Acid__sweat_	4036	5028	-2.1795	1.3688	109	-1.59	0.9665
28	Hexanoic_Acid__sweat_	4036	5030	-2.1795	1.3688	109	-1.59	0.9665
29	Hexanoic_Acid__sweat_	4036	6026	-2.1795	1.3688	109	-1.59	0.9665
30	Hexanoic_Acid__sweat_	4036	5032	-2.1795	1.3688	109	-1.59	0.9665
31	Hexanoic_Acid__sweat_	4036	6022	-2.1795	1.3688	109	-1.59	0.9665
32	Hexanoic_Acid__sweat_	4036	6028	-2.1795	1.3688	109	-1.59	0.9665
33	Hexanoic_Acid__sweat_	3046	4036	-2.1309	1.3529	109	-1.58	0.9695
34	Hexanoic_Acid__sweat_	3044	4036	-2.1309	1.3529	109	-1.58	0.9695
35	Hexanoic_Acid__sweat_	4038	5026	-1.8268	1.1847	109	-1.54	0.9747
36	Hexanoic_Acid__sweat_	4040	5026	-1.8268	1.1847	109	-1.54	0.9747
37	Hexanoic_Acid__sweat_	3044	4038	-1.5536	1.3589	109	-1.14	0.9988
38	Hexanoic_Acid__sweat_	3044	4040	-1.5536	1.3589	109	-1.14	0.9988
39	Hexanoic_Acid__sweat_	3046	4038	-1.5536	1.3589	109	-1.14	0.9988
40	Hexanoic_Acid__sweat_	3046	4040	-1.5536	1.3589	109	-1.14	0.9988
41	Hexanoic_Acid__sweat_	4036	5026	-1.2495	1.1669	109	-1.07	0.9994
42	Hexanoic_Acid__sweat_	5026	5028	-0.9300	1.4230	109	-0.65	1.0000
43	Hexanoic_Acid__sweat_	5026	5030	-0.9300	1.4230	109	-0.65	1.0000
44	Hexanoic_Acid__sweat_	5026	5032	-0.9300	1.4230	109	-0.65	1.0000
45	Hexanoic_Acid__sweat_	5026	6022	-0.9300	1.4230	109	-0.65	1.0000
46	Hexanoic_Acid__sweat_	5026	6026	-0.9300	1.4230	109	-0.65	1.0000
47	Hexanoic_Acid__sweat_	5026	6028	-0.9300	1.4230	109	-0.65	1.0000
48	Hexanoic_Acid__sweat_	4036	4038	0.5774	1.0936	109	0.53	1.0000
49	Hexanoic_Acid__sweat_	4036	4040	0.5774	1.0936	109	0.53	1.0000
50	Hexanoic_Acid__sweat_	3040	3042	-711E-17	23421	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
51	Hexanoic_Acid__sweat_	3040	3044	-20.5937	16561	109	-0.00	1.0000
52	Hexanoic_Acid__sweat_	3040	3046	-20.5937	16561	109	-0.00	1.0000
53	Hexanoic_Acid__sweat_	3040	4034	-107E-16	23421	109	-0.00	1.0000
54	Hexanoic_Acid__sweat_	3040	4036	-22.7246	16561	109	-0.00	1.0000
55	Hexanoic_Acid__sweat_	3040	4038	-22.1472	16561	109	-0.00	1.0000
56	Hexanoic_Acid__sweat_	3040	4040	-22.1472	16561	109	-0.00	1.0000
57	Hexanoic_Acid__sweat_	3040	5026	-23.9740	16561	109	-0.00	1.0000
58	Hexanoic_Acid__sweat_	3040	5028	-24.9040	16561	109	-0.00	1.0000
59	Hexanoic_Acid__sweat_	3040	5030	-24.9040	16561	109	-0.00	1.0000
60	Hexanoic_Acid__sweat_	3040	5032	-24.9040	16561	109	-0.00	1.0000
61	Hexanoic_Acid__sweat_	3040	6022	-24.9040	16561	109	-0.00	1.0000
62	Hexanoic_Acid__sweat_	3040	6024	-45.5129	23334	109	-0.00	1.0000
63	Hexanoic_Acid__sweat_	3040	6026	-24.9040	16561	109	-0.00	1.0000
64	Hexanoic_Acid__sweat_	3040	6028	-24.9040	16561	109	-0.00	1.0000
65	Hexanoic_Acid__sweat_	3042	3044	-20.5937	16561	109	-0.00	1.0000
66	Hexanoic_Acid__sweat_	3042	3046	-20.5937	16561	109	-0.00	1.0000
67	Hexanoic_Acid__sweat_	3042	4034	-355E-17	23421	109	-0.00	1.0000
68	Hexanoic_Acid__sweat_	3042	4036	-22.7246	16561	109	-0.00	1.0000
69	Hexanoic_Acid__sweat_	3042	4038	-22.1472	16561	109	-0.00	1.0000
70	Hexanoic_Acid__sweat_	3042	4040	-22.1472	16561	109	-0.00	1.0000
71	Hexanoic_Acid__sweat_	3042	5026	-23.9740	16561	109	-0.00	1.0000
72	Hexanoic_Acid__sweat_	3042	5028	-24.9040	16561	109	-0.00	1.0000
73	Hexanoic_Acid__sweat_	3042	5030	-24.9040	16561	109	-0.00	1.0000
74	Hexanoic_Acid__sweat_	3042	5032	-24.9040	16561	109	-0.00	1.0000
75	Hexanoic_Acid__sweat_	3042	6022	-24.9040	16561	109	-0.00	1.0000
76	Hexanoic_Acid__sweat_	3042	6024	-45.5129	23334	109	-0.00	1.0000
77	Hexanoic_Acid__sweat_	3042	6026	-24.9040	16561	109	-0.00	1.0000
78	Hexanoic_Acid__sweat_	3042	6028	-24.9040	16561	109	-0.00	1.0000
79	Hexanoic_Acid__sweat_	3044	3046	0	1.5656	109	0.00	1.0000
80	Hexanoic_Acid__sweat_	3044	4034	20.5937	16561	109	0.00	1.0000
81	Hexanoic_Acid__sweat_	3044	6024	-24.9192	16437	109	-0.00	1.0000
82	Hexanoic_Acid__sweat_	3046	4034	20.5937	16561	109	0.00	1.0000
83	Hexanoic_Acid__sweat_	3046	6024	-24.9192	16437	109	-0.00	1.0000
84	Hexanoic_Acid__sweat_	4034	4036	-22.7246	16561	109	-0.00	1.0000
85	Hexanoic_Acid__sweat_	4034	4038	-22.1472	16561	109	-0.00	1.0000
86	Hexanoic_Acid__sweat_	4034	4040	-22.1472	16561	109	-0.00	1.0000
87	Hexanoic_Acid__sweat_	4034	5026	-23.9740	16561	109	-0.00	1.0000
88	Hexanoic_Acid__sweat_	4034	5028	-24.9040	16561	109	-0.00	1.0000
89	Hexanoic_Acid__sweat_	4034	5030	-24.9040	16561	109	-0.00	1.0000
90	Hexanoic_Acid__sweat_	4034	5032	-24.9040	16561	109	-0.00	1.0000
91	Hexanoic_Acid__sweat_	4034	6022	-24.9040	16561	109	-0.00	1.0000
92	Hexanoic_Acid__sweat_	4034	6024	-45.5129	23334	109	-0.00	1.0000
93	Hexanoic_Acid__sweat_	4034	6026	-24.9040	16561	109	-0.00	1.0000
94	Hexanoic_Acid__sweat_	4034	6028	-24.9040	16561	109	-0.00	1.0000
95	Hexanoic_Acid__sweat_	4036	6024	-22.7883	16437	109	-0.00	1.0000
96	Hexanoic_Acid__sweat_	4038	4040	-444E-18	1.1053	109	-0.00	1.0000
97	Hexanoic_Acid__sweat_	4038	6024	-23.3657	16437	109	-0.00	1.0000
98	Hexanoic_Acid__sweat_	4040	6024	-23.3657	16437	109	-0.00	1.0000
99	Hexanoic_Acid__sweat_	5026	6024	-21.5389	16437	109	-0.00	1.0000
100	Hexanoic_Acid__sweat_	5028	5030	0	1.5842	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
101	Hexanoic_Acid__sweat_	5028	5032	5.78E-16	1.5842	109	0.00	1.0000
102	Hexanoic_Acid__sweat_	5028	6022	5.45E-16	1.5842	109	0.00	1.0000
103	Hexanoic_Acid__sweat_	5028	6024	-20.6088	16437	109	-0.00	1.0000
104	Hexanoic_Acid__sweat_	5028	6026	-697E-26	1.5842	109	-0.00	1.0000
105	Hexanoic_Acid__sweat_	5028	6028	-919E-17	1.5842	109	-0.00	1.0000
106	Hexanoic_Acid__sweat_	5030	5032	5.78E-16	1.5842	109	0.00	1.0000
107	Hexanoic_Acid__sweat_	5030	6022	5.45E-16	1.5842	109	0.00	1.0000
108	Hexanoic_Acid__sweat_	5030	6024	-20.6088	16437	109	-0.00	1.0000
109	Hexanoic_Acid__sweat_	5030	6026	-697E-26	1.5842	109	-0.00	1.0000
110	Hexanoic_Acid__sweat_	5030	6028	-919E-17	1.5842	109	-0.00	1.0000
111	Hexanoic_Acid__sweat_	5032	6022	-337E-19	1.5842	109	-0.00	1.0000
112	Hexanoic_Acid__sweat_	5032	6024	-20.6088	16437	109	-0.00	1.0000
113	Hexanoic_Acid__sweat_	5032	6026	-578E-18	1.5842	109	-0.00	1.0000
114	Hexanoic_Acid__sweat_	5032	6028	-977E-17	1.5842	109	-0.00	1.0000
115	Hexanoic_Acid__sweat_	6022	6024	-20.6088	16437	109	-0.00	1.0000
116	Hexanoic_Acid__sweat_	6022	6026	-545E-18	1.5842	109	-0.00	1.0000
117	Hexanoic_Acid__sweat_	6022	6028	-974E-17	1.5842	109	-0.00	1.0000
118	Hexanoic_Acid__sweat_	6024	6026	20.6088	16437	109	0.00	1.0000
119	Hexanoic_Acid__sweat_	6024	6028	20.6088	16437	109	0.00	1.0000
120	Hexanoic_Acid__sweat_	6026	6028	-919E-17	1.5842	109	-0.00	1.0000
121	Heptanal__fruity_	3042	5026	-2.2617	1.2372	109	-1.83	0.9006
122	Heptanal__fruity_	3042	5028	-2.2617	1.2372	109	-1.83	0.9006
123	Heptanal__fruity_	3042	6024	-2.2617	1.2372	109	-1.83	0.9006
124	Heptanal__fruity_	3042	3046	-2.2617	1.2372	109	-1.83	0.9006
125	Heptanal__fruity_	3040	3046	-1.6604	1.2469	109	-1.33	0.9938
126	Heptanal__fruity_	3040	5026	-1.6604	1.2469	109	-1.33	0.9938
127	Heptanal__fruity_	3040	5028	-1.6604	1.2469	109	-1.33	0.9938
128	Heptanal__fruity_	3040	6024	-1.6604	1.2469	109	-1.33	0.9938
129	Heptanal__fruity_	3046	4036	1.6604	1.2469	109	1.33	0.9938
130	Heptanal__fruity_	4036	5026	-1.6604	1.2469	109	-1.33	0.9938
131	Heptanal__fruity_	4036	5028	-1.6604	1.2469	109	-1.33	0.9938
132	Heptanal__fruity_	4036	6024	-1.6604	1.2469	109	-1.33	0.9938
133	Heptanal__fruity_	3042	4034	-1.2960	1.0569	109	-1.23	0.9974
134	Heptanal__fruity_	3042	5032	-1.2960	1.0569	109	-1.23	0.9974
135	Heptanal__fruity_	3042	6022	-1.2960	1.0569	109	-1.23	0.9974
136	Heptanal__fruity_	3042	6028	-1.2960	1.0569	109	-1.23	0.9974
137	Heptanal__fruity_	3046	4034	0.9657	1.2888	109	0.75	1.0000
138	Heptanal__fruity_	3046	5032	0.9657	1.2888	109	0.75	1.0000
139	Heptanal__fruity_	3046	6022	0.9657	1.2888	109	0.75	1.0000
140	Heptanal__fruity_	3046	6028	0.9657	1.2888	109	0.75	1.0000
141	Heptanal__fruity_	4034	5026	-0.9657	1.2888	109	-0.75	1.0000
142	Heptanal__fruity_	4034	5028	-0.9657	1.2888	109	-0.75	1.0000
143	Heptanal__fruity_	4034	6024	-0.9657	1.2888	109	-0.75	1.0000
144	Heptanal__fruity_	5026	5032	0.9657	1.2888	109	0.75	1.0000
145	Heptanal__fruity_	5026	6022	0.9657	1.2888	109	0.75	1.0000
146	Heptanal__fruity_	5026	6028	0.9657	1.2888	109	0.75	1.0000
147	Heptanal__fruity_	5028	5032	0.9657	1.2888	109	0.75	1.0000
148	Heptanal__fruity_	5028	6022	0.9657	1.2888	109	0.75	1.0000
149	Heptanal__fruity_	5028	6028	0.9657	1.2888	109	0.75	1.0000
150	Heptanal__fruity_	5032	6024	-0.9657	1.2888	109	-0.75	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
151	Heptanal__fruity_	6022	6024	-0.9657	1.2888	109	-0.75	1.0000
152	Heptanal__fruity_	6024	6028	0.9657	1.2888	109	0.75	1.0000
153	Heptanal__fruity_	3040	4034	-0.6947	1.0716	109	-0.65	1.0000
154	Heptanal__fruity_	3040	5032	-0.6947	1.0716	109	-0.65	1.0000
155	Heptanal__fruity_	3040	6022	-0.6947	1.0716	109	-0.65	1.0000
156	Heptanal__fruity_	3040	6028	-0.6947	1.0716	109	-0.65	1.0000
157	Heptanal__fruity_	4034	4036	0.6947	1.0716	109	0.65	1.0000
158	Heptanal__fruity_	4036	5032	-0.6947	1.0716	109	-0.65	1.0000
159	Heptanal__fruity_	4036	6022	-0.6947	1.0716	109	-0.65	1.0000
160	Heptanal__fruity_	4036	6028	-0.6947	1.0716	109	-0.65	1.0000
161	Heptanal__fruity_	3040	3042	0.6013	0.9929	109	0.61	1.0000
162	Heptanal__fruity_	3042	4036	-0.6013	0.9929	109	-0.61	1.0000
163	Heptanal__fruity_	3040	3044	-22.2762	14412	109	-0.00	1.0000
164	Heptanal__fruity_	3040	4036	-111E-18	1.0118	109	-0.00	1.0000
165	Heptanal__fruity_	3040	4038	-22.2762	14412	109	-0.00	1.0000
166	Heptanal__fruity_	3040	4040	-22.2762	14412	109	-0.00	1.0000
167	Heptanal__fruity_	3040	5030	-22.2762	14412	109	-0.00	1.0000
168	Heptanal__fruity_	3040	6026	-22.2762	14412	109	-0.00	1.0000
169	Heptanal__fruity_	3042	3044	-22.8775	14412	109	-0.00	1.0000
170	Heptanal__fruity_	3042	4038	-22.8775	14412	109	-0.00	1.0000
171	Heptanal__fruity_	3042	4040	-22.8775	14412	109	-0.00	1.0000
172	Heptanal__fruity_	3042	5030	-22.8775	14412	109	-0.00	1.0000
173	Heptanal__fruity_	3042	6026	-22.8775	14412	109	-0.00	1.0000
174	Heptanal__fruity_	3044	3046	20.6158	14412	109	0.00	1.0000
175	Heptanal__fruity_	3044	4034	21.5816	14412	109	0.00	1.0000
176	Heptanal__fruity_	3044	4036	22.2762	14412	109	0.00	1.0000
177	Heptanal__fruity_	3044	4038	7.11E-15	20382	109	0.00	1.0000
178	Heptanal__fruity_	3044	4040	3.55E-15	20382	109	0.00	1.0000
179	Heptanal__fruity_	3044	5026	20.6158	14412	109	0.00	1.0000
180	Heptanal__fruity_	3044	5028	20.6158	14412	109	0.00	1.0000
181	Heptanal__fruity_	3044	5030	-142E-16	20382	109	-0.00	1.0000
182	Heptanal__fruity_	3044	5032	21.5816	14412	109	0.00	1.0000
183	Heptanal__fruity_	3044	6022	21.5816	14412	109	0.00	1.0000
184	Heptanal__fruity_	3044	6024	20.6158	14412	109	0.00	1.0000
185	Heptanal__fruity_	3044	6026	-355E-17	20382	109	-0.00	1.0000
186	Heptanal__fruity_	3044	6028	21.5816	14412	109	0.00	1.0000
187	Heptanal__fruity_	3046	4038	-20.6158	14412	109	-0.00	1.0000
188	Heptanal__fruity_	3046	4040	-20.6158	14412	109	-0.00	1.0000
189	Heptanal__fruity_	3046	5026	-444E-18	1.4305	109	-0.00	1.0000
190	Heptanal__fruity_	3046	5028	-333E-18	1.4305	109	-0.00	1.0000
191	Heptanal__fruity_	3046	5030	-20.6158	14412	109	-0.00	1.0000
192	Heptanal__fruity_	3046	6024	-333E-18	1.4305	109	-0.00	1.0000
193	Heptanal__fruity_	3046	6026	-20.6158	14412	109	-0.00	1.0000
194	Heptanal__fruity_	4034	4038	-21.5816	14412	109	-0.00	1.0000
195	Heptanal__fruity_	4034	4040	-21.5816	14412	109	-0.00	1.0000
196	Heptanal__fruity_	4034	5030	-21.5816	14412	109	-0.00	1.0000
197	Heptanal__fruity_	4034	5032	-113E-18	1.1244	109	-0.00	1.0000
198	Heptanal__fruity_	4034	6022	-566E-19	1.1244	109	-0.00	1.0000
199	Heptanal__fruity_	4034	6026	-21.5816	14412	109	-0.00	1.0000
200	Heptanal__fruity_	4034	6028	1.9E-14	1.1244	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
201	Heptanal__fruity_	4036	4038	-22.2762	14412	109	-0.00	1.0000
202	Heptanal__fruity_	4036	4040	-22.2762	14412	109	-0.00	1.0000
203	Heptanal__fruity_	4036	5030	-22.2762	14412	109	-0.00	1.0000
204	Heptanal__fruity_	4036	6026	-22.2762	14412	109	-0.00	1.0000
205	Heptanal__fruity_	4038	4040	-355E-17	20382	109	-0.00	1.0000
206	Heptanal__fruity_	4038	5026	20.6158	14412	109	0.00	1.0000
207	Heptanal__fruity_	4038	5028	20.6158	14412	109	0.00	1.0000
208	Heptanal__fruity_	4038	5030	-213E-16	20382	109	-0.00	1.0000
209	Heptanal__fruity_	4038	5032	21.5816	14412	109	0.00	1.0000
210	Heptanal__fruity_	4038	6022	21.5816	14412	109	0.00	1.0000
211	Heptanal__fruity_	4038	6024	20.6158	14412	109	0.00	1.0000
212	Heptanal__fruity_	4038	6026	-107E-16	20382	109	-0.00	1.0000
213	Heptanal__fruity_	4038	6028	21.5816	14412	109	0.00	1.0000
214	Heptanal__fruity_	4040	5026	20.6158	14412	109	0.00	1.0000
215	Heptanal__fruity_	4040	5028	20.6158	14412	109	0.00	1.0000
216	Heptanal__fruity_	4040	5030	-178E-16	20382	109	-0.00	1.0000
217	Heptanal__fruity_	4040	5032	21.5816	14412	109	0.00	1.0000
218	Heptanal__fruity_	4040	6022	21.5816	14412	109	0.00	1.0000
219	Heptanal__fruity_	4040	6024	20.6158	14412	109	0.00	1.0000
220	Heptanal__fruity_	4040	6026	-711E-17	20382	109	-0.00	1.0000
221	Heptanal__fruity_	4040	6028	21.5816	14412	109	0.00	1.0000
222	Heptanal__fruity_	5026	5028	1.11E-16	1.4305	109	0.00	1.0000
223	Heptanal__fruity_	5026	5030	-20.6158	14412	109	-0.00	1.0000
224	Heptanal__fruity_	5026	6024	1.11E-16	1.4305	109	0.00	1.0000
225	Heptanal__fruity_	5026	6026	-20.6158	14412	109	-0.00	1.0000
226	Heptanal__fruity_	5028	5030	-20.6158	14412	109	-0.00	1.0000
227	Heptanal__fruity_	5028	6024	0	1.4305	109	0.00	1.0000
228	Heptanal__fruity_	5028	6026	-20.6158	14412	109	-0.00	1.0000
229	Heptanal__fruity_	5030	5032	21.5816	14412	109	0.00	1.0000
230	Heptanal__fruity_	5030	6022	21.5816	14412	109	0.00	1.0000
231	Heptanal__fruity_	5030	6024	20.6158	14412	109	0.00	1.0000
232	Heptanal__fruity_	5030	6026	1.07E-14	20382	109	0.00	1.0000
233	Heptanal__fruity_	5030	6028	21.5816	14412	109	0.00	1.0000
234	Heptanal__fruity_	5032	6022	5.64E-17	1.1244	109	0.00	1.0000
235	Heptanal__fruity_	5032	6026	-21.5816	14412	109	-0.00	1.0000
236	Heptanal__fruity_	5032	6028	1.91E-14	1.1244	109	0.00	1.0000
237	Heptanal__fruity_	6022	6026	-21.5816	14412	109	-0.00	1.0000
238	Heptanal__fruity_	6022	6028	1.91E-14	1.1244	109	0.00	1.0000
239	Heptanal__fruity_	6024	6026	-20.6158	14412	109	-0.00	1.0000
240	Heptanal__fruity_	6026	6028	21.5816	14412	109	0.00	1.0000
241	Butyric_Acid__rancid_	3044	5026	4.0637	1.5046	108	2.70	0.3441
242	Butyric_Acid__rancid_	4036	5026	4.0637	1.5046	108	2.70	0.3441
243	Butyric_Acid__rancid_	5026	5030	-3.1899	1.3427	108	-2.38	0.5696
244	Butyric_Acid__rancid_	3044	4034	3.1868	1.3420	108	2.37	0.5703
245	Butyric_Acid__rancid_	3044	6022	3.1868	1.3420	108	2.37	0.5703
246	Butyric_Acid__rancid_	4036	6022	3.1868	1.3420	108	2.37	0.5703
247	Butyric_Acid__rancid_	3044	5032	3.1868	1.3420	108	2.37	0.5703
248	Butyric_Acid__rancid_	4036	5032	3.1868	1.3420	108	2.37	0.5703
249	Butyric_Acid__rancid_	4034	4036	-3.1868	1.3420	108	-2.37	0.5703
250	Butyric_Acid__rancid_	5030	6022	2.3130	1.1581	108	2.00	0.8213

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
251	Butyric_Acid__rancid_	5030	5032	2.3130	1.1581	108	2.00	0.8213
252	Butyric_Acid__rancid_	4034	5030	-2.3130	1.1581	108	-2.00	0.8213
253	Butyric_Acid__rancid_	5026	5028	-2.5743	1.2924	108	-1.99	0.8243
254	Butyric_Acid__rancid_	3040	3044	-2.5693	1.2911	108	-1.99	0.8252
255	Butyric_Acid__rancid_	3040	4036	-2.5693	1.2911	108	-1.99	0.8252
256	Butyric_Acid__rancid_	4040	5026	2.0347	1.2783	108	1.59	0.9666
257	Butyric_Acid__rancid_	5026	6024	-2.0347	1.2783	108	-1.59	0.9666
258	Butyric_Acid__rancid_	3046	5026	2.0347	1.2783	108	1.59	0.9666
259	Butyric_Acid__rancid_	5026	6026	-2.0347	1.2783	108	-1.59	0.9666
260	Butyric_Acid__rancid_	3044	4040	2.0290	1.2765	108	1.59	0.9670
261	Butyric_Acid__rancid_	4036	4040	2.0290	1.2765	108	1.59	0.9670
262	Butyric_Acid__rancid_	3046	4036	-2.0290	1.2765	108	-1.59	0.9670
263	Butyric_Acid__rancid_	3044	6024	2.0290	1.2765	108	1.59	0.9670
264	Butyric_Acid__rancid_	3044	3046	2.0290	1.2765	108	1.59	0.9670
265	Butyric_Acid__rancid_	4036	6024	2.0290	1.2765	108	1.59	0.9670
266	Butyric_Acid__rancid_	3044	6026	2.0290	1.2765	108	1.59	0.9670
267	Butyric_Acid__rancid_	4036	6026	2.0290	1.2765	108	1.59	0.9670
268	Butyric_Acid__rancid_	5028	6022	1.6974	1.1000	108	1.54	0.9745
269	Butyric_Acid__rancid_	5028	5032	1.6974	1.1000	108	1.54	0.9745
270	Butyric_Acid__rancid_	4034	5028	-1.6974	1.1000	108	-1.54	0.9745
271	Butyric_Acid__rancid_	3040	5030	-1.6955	1.0993	108	-1.54	0.9746
272	Butyric_Acid__rancid_	3040	5026	1.4944	1.2894	108	1.16	0.9986
273	Butyric_Acid__rancid_	3044	5028	1.4894	1.2873	108	1.16	0.9986
274	Butyric_Acid__rancid_	4036	5028	1.4894	1.2873	108	1.16	0.9986
275	Butyric_Acid__rancid_	4040	5032	1.1578	1.0840	108	1.07	0.9995
276	Butyric_Acid__rancid_	4040	6022	1.1578	1.0840	108	1.07	0.9995
277	Butyric_Acid__rancid_	6022	6024	-1.1578	1.0840	108	-1.07	0.9995
278	Butyric_Acid__rancid_	3046	4034	1.1578	1.0840	108	1.07	0.9995
279	Butyric_Acid__rancid_	3046	6022	1.1578	1.0840	108	1.07	0.9995
280	Butyric_Acid__rancid_	3046	5032	1.1578	1.0840	108	1.07	0.9995
281	Butyric_Acid__rancid_	4034	6026	-1.1578	1.0840	108	-1.07	0.9995
282	Butyric_Acid__rancid_	5032	6026	-1.1578	1.0840	108	-1.07	0.9995
283	Butyric_Acid__rancid_	6022	6026	-1.1578	1.0840	108	-1.07	0.9995
284	Butyric_Acid__rancid_	4034	4040	-1.1578	1.0840	108	-1.07	0.9995
285	Butyric_Acid__rancid_	4034	6024	-1.1578	1.0840	108	-1.07	0.9995
286	Butyric_Acid__rancid_	5032	6024	-1.1578	1.0840	108	-1.07	0.9995
287	Butyric_Acid__rancid_	4040	5030	-1.1552	1.0828	108	-1.07	0.9995
288	Butyric_Acid__rancid_	3046	5030	-1.1552	1.0828	108	-1.07	0.9995
289	Butyric_Acid__rancid_	5030	6024	1.1552	1.0828	108	1.07	0.9995
290	Butyric_Acid__rancid_	5030	6026	1.1552	1.0828	108	1.07	0.9995
291	Butyric_Acid__rancid_	3040	5028	-1.0799	1.0385	108	-1.04	0.9996
292	Butyric_Acid__rancid_	4034	5026	0.8769	1.3370	108	0.66	1.0000
293	Butyric_Acid__rancid_	5026	5032	-0.8769	1.3370	108	-0.66	1.0000
294	Butyric_Acid__rancid_	5026	6022	-0.8769	1.3370	108	-0.66	1.0000
295	Butyric_Acid__rancid_	3044	5030	0.8738	1.3348	108	0.65	1.0000
296	Butyric_Acid__rancid_	4036	5030	0.8738	1.3348	108	0.65	1.0000
297	Butyric_Acid__rancid_	3040	4034	0.6175	1.0978	108	0.56	1.0000
298	Butyric_Acid__rancid_	3040	5032	0.6175	1.0978	108	0.56	1.0000
299	Butyric_Acid__rancid_	3040	6022	0.6175	1.0978	108	0.56	1.0000
300	Butyric_Acid__rancid_	5028	5030	-0.6156	1.0961	108	-0.56	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
301	Butyric_Acid__rancid_	3040	3046	-0.5403	1.0224	108	-0.53	1.0000
302	Butyric_Acid__rancid_	3040	6024	-0.5403	1.0224	108	-0.53	1.0000
303	Butyric_Acid__rancid_	3040	4040	-0.5403	1.0224	108	-0.53	1.0000
304	Butyric_Acid__rancid_	3040	6026	-0.5403	1.0224	108	-0.53	1.0000
305	Butyric_Acid__rancid_	4040	5028	-0.5396	1.0217	108	-0.53	1.0000
306	Butyric_Acid__rancid_	3046	5028	-0.5396	1.0217	108	-0.53	1.0000
307	Butyric_Acid__rancid_	5028	6024	0.5396	1.0217	108	0.53	1.0000
308	Butyric_Acid__rancid_	5028	6026	0.5396	1.0217	108	0.53	1.0000
309	Butyric_Acid__rancid_	3040	3042	-23.1674	16275	108	-0.00	1.0000
310	Butyric_Acid__rancid_	3040	4038	-23.1674	16275	108	-0.00	1.0000
311	Butyric_Acid__rancid_	3040	6028	22.0948	16262	108	0.00	1.0000
312	Butyric_Acid__rancid_	3042	3044	20.5981	16275	108	0.00	1.0000
313	Butyric_Acid__rancid_	3042	3046	22.6271	16275	108	0.00	1.0000
314	Butyric_Acid__rancid_	3042	4034	23.7849	16275	108	0.00	1.0000
315	Butyric_Acid__rancid_	3042	4036	20.5981	16275	108	0.00	1.0000
316	Butyric_Acid__rancid_	3042	4038	0	23017	108	0.00	1.0000
317	Butyric_Acid__rancid_	3042	4040	22.6271	16275	108	0.00	1.0000
318	Butyric_Acid__rancid_	3042	5026	24.6618	16275	108	0.00	1.0000
319	Butyric_Acid__rancid_	3042	5028	22.0875	16275	108	0.00	1.0000
320	Butyric_Acid__rancid_	3042	5030	21.4719	16275	108	0.00	1.0000
321	Butyric_Acid__rancid_	3042	5032	23.7849	16275	108	0.00	1.0000
322	Butyric_Acid__rancid_	3042	6022	23.7849	16275	108	0.00	1.0000
323	Butyric_Acid__rancid_	3042	6024	22.6271	16275	108	0.00	1.0000
324	Butyric_Acid__rancid_	3042	6026	22.6271	16275	108	0.00	1.0000
325	Butyric_Acid__rancid_	3042	6028	45.2622	23008	108	0.00	1.0000
326	Butyric_Acid__rancid_	3044	4036	0	1.4950	108	0.00	1.0000
327	Butyric_Acid__rancid_	3044	4038	-20.5981	16275	108	-0.00	1.0000
328	Butyric_Acid__rancid_	3044	6028	24.6642	16262	108	0.00	1.0000
329	Butyric_Acid__rancid_	3046	4038	-22.6271	16275	108	-0.00	1.0000
330	Butyric_Acid__rancid_	3046	4040	-355E-17	1.0060	108	-0.00	1.0000
331	Butyric_Acid__rancid_	3046	6024	0	1.0060	108	0.00	1.0000
332	Butyric_Acid__rancid_	3046	6026	0	1.0060	108	0.00	1.0000
333	Butyric_Acid__rancid_	3046	6028	22.6351	16262	108	0.00	1.0000
334	Butyric_Acid__rancid_	4034	4038	-23.7849	16275	108	-0.00	1.0000
335	Butyric_Acid__rancid_	4034	5032	-711E-17	1.1541	108	-0.00	1.0000
336	Butyric_Acid__rancid_	4034	6022	0	1.1541	108	0.00	1.0000
337	Butyric_Acid__rancid_	4034	6028	21.4773	16262	108	0.00	1.0000
338	Butyric_Acid__rancid_	4036	4038	-20.5981	16275	108	-0.00	1.0000
339	Butyric_Acid__rancid_	4036	6028	24.6642	16262	108	0.00	1.0000
340	Butyric_Acid__rancid_	4038	4040	22.6271	16275	108	0.00	1.0000
341	Butyric_Acid__rancid_	4038	5026	24.6618	16275	108	0.00	1.0000
342	Butyric_Acid__rancid_	4038	5028	22.0875	16275	108	0.00	1.0000
343	Butyric_Acid__rancid_	4038	5030	21.4719	16275	108	0.00	1.0000
344	Butyric_Acid__rancid_	4038	5032	23.7849	16275	108	0.00	1.0000
345	Butyric_Acid__rancid_	4038	6022	23.7849	16275	108	0.00	1.0000
346	Butyric_Acid__rancid_	4038	6024	22.6271	16275	108	0.00	1.0000
347	Butyric_Acid__rancid_	4038	6026	22.6271	16275	108	0.00	1.0000
348	Butyric_Acid__rancid_	4038	6028	45.2622	23008	108	0.00	1.0000
349	Butyric_Acid__rancid_	4040	6024	3.55E-15	1.0060	108	0.00	1.0000
350	Butyric_Acid__rancid_	4040	6026	3.55E-15	1.0060	108	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
351	Butyric_Acid__rancid_	4040	6028	22.6351	16262	108	0.00	1.0000
352	Butyric_Acid__rancid_	5026	6028	20.6005	16262	108	0.00	1.0000
353	Butyric_Acid__rancid_	5028	6028	23.1748	16262	108	0.00	1.0000
354	Butyric_Acid__rancid_	5030	6028	23.7904	16262	108	0.00	1.0000
355	Butyric_Acid__rancid_	5032	6022	7.11E-15	1.1541	108	0.00	1.0000
356	Butyric_Acid__rancid_	5032	6028	21.4773	16262	108	0.00	1.0000
357	Butyric_Acid__rancid_	6022	6028	21.4773	16262	108	0.00	1.0000
358	Butyric_Acid__rancid_	6024	6026	0	1.0060	108	0.00	1.0000
359	Butyric_Acid__rancid_	6024	6028	22.6351	16262	108	0.00	1.0000
360	Butyric_Acid__rancid_	6026	6028	22.6351	16262	108	0.00	1.0000
361	heptaldehyde__fruity_	3040	3042	-117E-16	2756.31	109	-0.00	1.0000
362	heptaldehyde__fruity_	3040	3044	-212E-16	2756.31	109	-0.00	1.0000
363	heptaldehyde__fruity_	3040	3046	-28E-15	2756.31	109	-0.00	1.0000
364	heptaldehyde__fruity_	3040	4034	-341E-16	2756.31	109	-0.00	1.0000
365	heptaldehyde__fruity_	3040	4036	-554E-16	2756.31	109	-0.00	1.0000
366	heptaldehyde__fruity_	3040	4038	-471E-16	2756.31	109	-0.00	1.0000
367	heptaldehyde__fruity_	3040	4040	-483E-16	2756.31	109	-0.00	1.0000
368	heptaldehyde__fruity_	3040	5026	-542E-16	2756.31	109	-0.00	1.0000
369	heptaldehyde__fruity_	3040	5028	-601E-16	2756.31	109	-0.00	1.0000
370	heptaldehyde__fruity_	3040	5030	-624E-16	2756.31	109	-0.00	1.0000
371	heptaldehyde__fruity_	3040	5032	-576E-16	2756.31	109	-0.00	1.0000
372	heptaldehyde__fruity_	3040	6022	-67E-15	2756.31	109	-0.00	1.0000
373	heptaldehyde__fruity_	3040	6024	-8E-14	2756.31	109	-0.00	1.0000
374	heptaldehyde__fruity_	3040	6026	-20.8415	1949.01	109	-0.01	1.0000
375	heptaldehyde__fruity_	3040	6028	0.000021	2756.31	109	0.00	1.0000
376	heptaldehyde__fruity_	3042	3044	-942E-17	2756.31	109	-0.00	1.0000
377	heptaldehyde__fruity_	3042	3046	-163E-16	2756.31	109	-0.00	1.0000
378	heptaldehyde__fruity_	3042	4034	-224E-16	2756.31	109	-0.00	1.0000
379	heptaldehyde__fruity_	3042	4036	-437E-16	2756.31	109	-0.00	1.0000
380	heptaldehyde__fruity_	3042	4038	-354E-16	2756.31	109	-0.00	1.0000
381	heptaldehyde__fruity_	3042	4040	-366E-16	2756.31	109	-0.00	1.0000
382	heptaldehyde__fruity_	3042	5026	-425E-16	2756.31	109	-0.00	1.0000
383	heptaldehyde__fruity_	3042	5028	-483E-16	2756.31	109	-0.00	1.0000
384	heptaldehyde__fruity_	3042	5030	-506E-16	2756.31	109	-0.00	1.0000
385	heptaldehyde__fruity_	3042	5032	-459E-16	2756.31	109	-0.00	1.0000
386	heptaldehyde__fruity_	3042	6022	-553E-16	2756.31	109	-0.00	1.0000
387	heptaldehyde__fruity_	3042	6024	-682E-16	2756.31	109	-0.00	1.0000
388	heptaldehyde__fruity_	3042	6026	-20.8415	1949.01	109	-0.01	1.0000
389	heptaldehyde__fruity_	3042	6028	0.000021	2756.31	109	0.00	1.0000
390	heptaldehyde__fruity_	3044	3046	-686E-17	2756.31	109	-0.00	1.0000
391	heptaldehyde__fruity_	3044	4034	-13E-15	2756.31	109	-0.00	1.0000
392	heptaldehyde__fruity_	3044	4036	-343E-16	2756.31	109	-0.00	1.0000
393	heptaldehyde__fruity_	3044	4038	-259E-16	2756.31	109	-0.00	1.0000
394	heptaldehyde__fruity_	3044	4040	-272E-16	2756.31	109	-0.00	1.0000
395	heptaldehyde__fruity_	3044	5026	-33E-15	2756.31	109	-0.00	1.0000
396	heptaldehyde__fruity_	3044	5028	-389E-16	2756.31	109	-0.00	1.0000
397	heptaldehyde__fruity_	3044	5030	-412E-16	2756.31	109	-0.00	1.0000
398	heptaldehyde__fruity_	3044	5032	-364E-16	2756.31	109	-0.00	1.0000
399	heptaldehyde__fruity_	3044	6022	-459E-16	2756.31	109	-0.00	1.0000
400	heptaldehyde__fruity_	3044	6024	-588E-16	2756.31	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
401	heptaldehyde__fruity_	3044	6026	-20.8415	1949.01	109	-0.01	1.0000
402	heptaldehyde__fruity_	3044	6028	0.000021	2756.31	109	0.00	1.0000
403	heptaldehyde__fruity_	3046	4034	-611E-17	2756.31	109	-0.00	1.0000
404	heptaldehyde__fruity_	3046	4036	-274E-16	2756.31	109	-0.00	1.0000
405	heptaldehyde__fruity_	3046	4038	-191E-16	2756.31	109	-0.00	1.0000
406	heptaldehyde__fruity_	3046	4040	-203E-16	2756.31	109	-0.00	1.0000
407	heptaldehyde__fruity_	3046	5026	-262E-16	2756.31	109	-0.00	1.0000
408	heptaldehyde__fruity_	3046	5028	-321E-16	2756.31	109	-0.00	1.0000
409	heptaldehyde__fruity_	3046	5030	-344E-16	2756.31	109	-0.00	1.0000
410	heptaldehyde__fruity_	3046	5032	-296E-16	2756.31	109	-0.00	1.0000
411	heptaldehyde__fruity_	3046	6022	-39E-15	2756.31	109	-0.00	1.0000
412	heptaldehyde__fruity_	3046	6024	-52E-15	2756.31	109	-0.00	1.0000
413	heptaldehyde__fruity_	3046	6026	-20.8415	1949.01	109	-0.01	1.0000
414	heptaldehyde__fruity_	3046	6028	0.000021	2756.31	109	0.00	1.0000
415	heptaldehyde__fruity_	4034	4036	-213E-16	2756.31	109	-0.00	1.0000
416	heptaldehyde__fruity_	4034	4038	-13E-15	2756.31	109	-0.00	1.0000
417	heptaldehyde__fruity_	4034	4040	-142E-16	2756.31	109	-0.00	1.0000
418	heptaldehyde__fruity_	4034	5026	-201E-16	2756.31	109	-0.00	1.0000
419	heptaldehyde__fruity_	4034	5028	-259E-16	2756.31	109	-0.00	1.0000
420	heptaldehyde__fruity_	4034	5030	-283E-16	2756.31	109	-0.00	1.0000
421	heptaldehyde__fruity_	4034	5032	-235E-16	2756.31	109	-0.00	1.0000
422	heptaldehyde__fruity_	4034	6022	-329E-16	2756.31	109	-0.00	1.0000
423	heptaldehyde__fruity_	4034	6024	-459E-16	2756.31	109	-0.00	1.0000
424	heptaldehyde__fruity_	4034	6026	-20.8415	1949.01	109	-0.01	1.0000
425	heptaldehyde__fruity_	4034	6028	0.000021	2756.31	109	0.00	1.0000
426	heptaldehyde__fruity_	4036	4038	8.34E-15	2756.31	109	0.00	1.0000
427	heptaldehyde__fruity_	4036	4040	7.11E-15	2756.31	109	0.00	1.0000
428	heptaldehyde__fruity_	4036	5026	1.24E-15	2756.31	109	0.00	1.0000
429	heptaldehyde__fruity_	4036	5028	-463E-17	2756.31	109	-0.00	1.0000
430	heptaldehyde__fruity_	4036	5030	-694E-17	2756.31	109	-0.00	1.0000
431	heptaldehyde__fruity_	4036	5032	-215E-17	2756.31	109	-0.00	1.0000
432	heptaldehyde__fruity_	4036	6022	-116E-16	2756.31	109	-0.00	1.0000
433	heptaldehyde__fruity_	4036	6024	-245E-16	2756.31	109	-0.00	1.0000
434	heptaldehyde__fruity_	4036	6026	-20.8415	1949.01	109	-0.01	1.0000
435	heptaldehyde__fruity_	4036	6028	0.000021	2756.31	109	0.00	1.0000
436	heptaldehyde__fruity_	4038	4040	-124E-17	2756.31	109	-0.00	1.0000
437	heptaldehyde__fruity_	4038	5026	-711E-17	2756.31	109	-0.00	1.0000
438	heptaldehyde__fruity_	4038	5028	-13E-15	2756.31	109	-0.00	1.0000
439	heptaldehyde__fruity_	4038	5030	-153E-16	2756.31	109	-0.00	1.0000
440	heptaldehyde__fruity_	4038	5032	-105E-16	2756.31	109	-0.00	1.0000
441	heptaldehyde__fruity_	4038	6022	-199E-16	2756.31	109	-0.00	1.0000
442	heptaldehyde__fruity_	4038	6024	-329E-16	2756.31	109	-0.00	1.0000
443	heptaldehyde__fruity_	4038	6026	-20.8415	1949.01	109	-0.01	1.0000
444	heptaldehyde__fruity_	4038	6028	0.000021	2756.31	109	0.00	1.0000
445	heptaldehyde__fruity_	4040	5026	-587E-17	2756.31	109	-0.00	1.0000
446	heptaldehyde__fruity_	4040	5028	-117E-16	2756.31	109	-0.00	1.0000
447	heptaldehyde__fruity_	4040	5030	-14E-15	2756.31	109	-0.00	1.0000
448	heptaldehyde__fruity_	4040	5032	-926E-17	2756.31	109	-0.00	1.0000
449	heptaldehyde__fruity_	4040	6022	-187E-16	2756.31	109	-0.00	1.0000
450	heptaldehyde__fruity_	4040	6024	-316E-16	2756.31	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
451	heptaldehyde__fruity_	4040	6026	-20.8415	1949.01	109	-0.01	1.0000
452	heptaldehyde__fruity_	4040	6028	0.000021	2756.31	109	0.00	1.0000
453	heptaldehyde__fruity_	5026	5028	-587E-17	2756.31	109	-0.00	1.0000
454	heptaldehyde__fruity_	5026	5030	-818E-17	2756.31	109	-0.00	1.0000
455	heptaldehyde__fruity_	5026	5032	-339E-17	2756.31	109	-0.00	1.0000
456	heptaldehyde__fruity_	5026	6022	-128E-16	2756.31	109	-0.00	1.0000
457	heptaldehyde__fruity_	5026	6024	-258E-16	2756.31	109	-0.00	1.0000
458	heptaldehyde__fruity_	5026	6026	-20.8415	1949.01	109	-0.01	1.0000
459	heptaldehyde__fruity_	5026	6028	0.000021	2756.31	109	0.00	1.0000
460	heptaldehyde__fruity_	5028	5030	-231E-17	2756.31	109	-0.00	1.0000
461	heptaldehyde__fruity_	5028	5032	2.48E-15	2756.31	109	0.00	1.0000
462	heptaldehyde__fruity_	5028	6022	-694E-17	2756.31	109	-0.00	1.0000
463	heptaldehyde__fruity_	5028	6024	-199E-16	2756.31	109	-0.00	1.0000
464	heptaldehyde__fruity_	5028	6026	-20.8415	1949.01	109	-0.01	1.0000
465	heptaldehyde__fruity_	5028	6028	0.000021	2756.31	109	0.00	1.0000
466	heptaldehyde__fruity_	5030	5032	4.79E-15	2756.31	109	0.00	1.0000
467	heptaldehyde__fruity_	5030	6022	-463E-17	2756.31	109	-0.00	1.0000
468	heptaldehyde__fruity_	5030	6024	-176E-16	2756.31	109	-0.00	1.0000
469	heptaldehyde__fruity_	5030	6026	-20.8415	1949.01	109	-0.01	1.0000
470	heptaldehyde__fruity_	5030	6028	0.000021	2756.31	109	0.00	1.0000
471	heptaldehyde__fruity_	5032	6022	-942E-17	2756.31	109	-0.00	1.0000
472	heptaldehyde__fruity_	5032	6024	-224E-16	2756.31	109	-0.00	1.0000
473	heptaldehyde__fruity_	5032	6026	-20.8415	1949.01	109	-0.01	1.0000
474	heptaldehyde__fruity_	5032	6028	0.000021	2756.31	109	0.00	1.0000
475	heptaldehyde__fruity_	6022	6024	-13E-15	2756.31	109	-0.00	1.0000
476	heptaldehyde__fruity_	6022	6026	-20.8415	1949.01	109	-0.01	1.0000
477	heptaldehyde__fruity_	6022	6028	0.000021	2756.31	109	0.00	1.0000
478	heptaldehyde__fruity_	6024	6026	-20.8415	1949.01	109	-0.01	1.0000
479	heptaldehyde__fruity_	6024	6028	0.000021	2756.31	109	0.00	1.0000
480	heptaldehyde__fruity_	6026	6028	20.8415	1949.01	109	0.01	1.0000
481	pentylfuran_earthygre	3040	3042	7.11E-15	5940.06	108	0.00	1.0000
482	pentylfuran_earthygre	3040	3044	2.13E-14	5940.06	108	0.00	1.0000
483	pentylfuran_earthygre	3040	3046	1.78E-14	5940.06	108	0.00	1.0000
484	pentylfuran_earthygre	3040	4034	1.42E-14	5940.06	108	0.00	1.0000
485	pentylfuran_earthygre	3040	4036	1.78E-14	5940.06	108	0.00	1.0000
486	pentylfuran_earthygre	3040	4038	7.11E-15	5940.06	108	0.00	1.0000
487	pentylfuran_earthygre	3040	4040	2.13E-14	5940.06	108	0.00	1.0000
488	pentylfuran_earthygre	3040	5026	3.2E-14	5940.06	108	0.00	1.0000
489	pentylfuran_earthygre	3040	5028	3.91E-14	5940.06	108	0.00	1.0000
490	pentylfuran_earthygre	3040	5030	2.84E-14	5940.06	108	0.00	1.0000
491	pentylfuran_earthygre	3040	5032	2.84E-14	5940.06	108	0.00	1.0000
492	pentylfuran_earthygre	3040	6022	4.62E-14	5940.06	108	0.00	1.0000
493	pentylfuran_earthygre	3040	6024	-20.5854	4200.26	108	-0.00	1.0000
494	pentylfuran_earthygre	3040	6026	2.49E-14	5940.06	108	0.00	1.0000
495	pentylfuran_earthygre	3040	6028	-20.5854	4200.26	108	-0.00	1.0000
496	pentylfuran_earthygre	3042	3044	1.42E-14	5940.06	108	0.00	1.0000
497	pentylfuran_earthygre	3042	3046	1.07E-14	5940.06	108	0.00	1.0000
498	pentylfuran_earthygre	3042	4034	7.11E-15	5940.06	108	0.00	1.0000
499	pentylfuran_earthygre	3042	4036	1.07E-14	5940.06	108	0.00	1.0000
500	pentylfuran_earthygre	3042	4038	0	5940.06	108	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
501	pentylfuran_earthygre	3042	4040	1.42E-14	5940.06	108	0.00	1.0000
502	pentylfuran_earthygre	3042	5026	2.49E-14	5940.06	108	0.00	1.0000
503	pentylfuran_earthygre	3042	5028	3.2E-14	5940.06	108	0.00	1.0000
504	pentylfuran_earthygre	3042	5030	2.13E-14	5940.06	108	0.00	1.0000
505	pentylfuran_earthygre	3042	5032	2.13E-14	5940.06	108	0.00	1.0000
506	pentylfuran_earthygre	3042	6022	3.91E-14	5940.06	108	0.00	1.0000
507	pentylfuran_earthygre	3042	6024	-20.5854	4200.26	108	-0.00	1.0000
508	pentylfuran_earthygre	3042	6026	1.78E-14	5940.06	108	0.00	1.0000
509	pentylfuran_earthygre	3042	6028	-20.5854	4200.26	108	-0.00	1.0000
510	pentylfuran_earthygre	3044	3046	-355E-17	5940.06	108	-0.00	1.0000
511	pentylfuran_earthygre	3044	4034	-711E-17	5940.06	108	-0.00	1.0000
512	pentylfuran_earthygre	3044	4036	-355E-17	5940.06	108	-0.00	1.0000
513	pentylfuran_earthygre	3044	4038	-142E-16	5940.06	108	-0.00	1.0000
514	pentylfuran_earthygre	3044	4040	0	5940.06	108	0.00	1.0000
515	pentylfuran_earthygre	3044	5026	1.07E-14	5940.06	108	0.00	1.0000
516	pentylfuran_earthygre	3044	5028	1.78E-14	5940.06	108	0.00	1.0000
517	pentylfuran_earthygre	3044	5030	7.11E-15	5940.06	108	0.00	1.0000
518	pentylfuran_earthygre	3044	5032	7.11E-15	5940.06	108	0.00	1.0000
519	pentylfuran_earthygre	3044	6022	2.49E-14	5940.06	108	0.00	1.0000
520	pentylfuran_earthygre	3044	6024	-20.5854	4200.26	108	-0.00	1.0000
521	pentylfuran_earthygre	3044	6026	3.55E-15	5940.06	108	0.00	1.0000
522	pentylfuran_earthygre	3044	6028	-20.5854	4200.26	108	-0.00	1.0000
523	pentylfuran_earthygre	3046	4034	-355E-17	5940.06	108	-0.00	1.0000
524	pentylfuran_earthygre	3046	4036	0	5940.06	108	0.00	1.0000
525	pentylfuran_earthygre	3046	4038	-107E-16	5940.06	108	-0.00	1.0000
526	pentylfuran_earthygre	3046	4040	3.55E-15	5940.06	108	0.00	1.0000
527	pentylfuran_earthygre	3046	5026	1.42E-14	5940.06	108	0.00	1.0000
528	pentylfuran_earthygre	3046	5028	2.13E-14	5940.06	108	0.00	1.0000
529	pentylfuran_earthygre	3046	5030	1.07E-14	5940.06	108	0.00	1.0000
530	pentylfuran_earthygre	3046	5032	1.07E-14	5940.06	108	0.00	1.0000
531	pentylfuran_earthygre	3046	6022	2.84E-14	5940.06	108	0.00	1.0000
532	pentylfuran_earthygre	3046	6024	-20.5854	4200.26	108	-0.00	1.0000
533	pentylfuran_earthygre	3046	6026	7.11E-15	5940.06	108	0.00	1.0000
534	pentylfuran_earthygre	3046	6028	-20.5854	4200.26	108	-0.00	1.0000
535	pentylfuran_earthygre	4034	4036	3.55E-15	5940.06	108	0.00	1.0000
536	pentylfuran_earthygre	4034	4038	-711E-17	5940.06	108	-0.00	1.0000
537	pentylfuran_earthygre	4034	4040	7.11E-15	5940.06	108	0.00	1.0000
538	pentylfuran_earthygre	4034	5026	1.78E-14	5940.06	108	0.00	1.0000
539	pentylfuran_earthygre	4034	5028	2.49E-14	5940.06	108	0.00	1.0000
540	pentylfuran_earthygre	4034	5030	1.42E-14	5940.06	108	0.00	1.0000
541	pentylfuran_earthygre	4034	5032	1.42E-14	5940.06	108	0.00	1.0000
542	pentylfuran_earthygre	4034	6022	3.2E-14	5940.06	108	0.00	1.0000
543	pentylfuran_earthygre	4034	6024	-20.5854	4200.26	108	-0.00	1.0000
544	pentylfuran_earthygre	4034	6026	1.07E-14	5940.06	108	0.00	1.0000
545	pentylfuran_earthygre	4034	6028	-20.5854	4200.26	108	-0.00	1.0000
546	pentylfuran_earthygre	4036	4038	-107E-16	5940.06	108	-0.00	1.0000
547	pentylfuran_earthygre	4036	4040	3.55E-15	5940.06	108	0.00	1.0000
548	pentylfuran_earthygre	4036	5026	1.42E-14	5940.06	108	0.00	1.0000
549	pentylfuran_earthygre	4036	5028	2.13E-14	5940.06	108	0.00	1.0000
550	pentylfuran_earthygre	4036	5030	1.07E-14	5940.06	108	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
551	pentylfuran_earthygre	4036	5032	1.07E-14	5940.06	108	0.00	1.0000
552	pentylfuran_earthygre	4036	6022	2.84E-14	5940.06	108	0.00	1.0000
553	pentylfuran_earthygre	4036	6024	-20.5854	4200.26	108	-0.00	1.0000
554	pentylfuran_earthygre	4036	6026	7.11E-15	5940.06	108	0.00	1.0000
555	pentylfuran_earthygre	4036	6028	-20.5854	4200.26	108	-0.00	1.0000
556	pentylfuran_earthygre	4038	4040	1.42E-14	5940.06	108	0.00	1.0000
557	pentylfuran_earthygre	4038	5026	2.49E-14	5940.06	108	0.00	1.0000
558	pentylfuran_earthygre	4038	5028	3.2E-14	5940.06	108	0.00	1.0000
559	pentylfuran_earthygre	4038	5030	2.13E-14	5940.06	108	0.00	1.0000
560	pentylfuran_earthygre	4038	5032	2.13E-14	5940.06	108	0.00	1.0000
561	pentylfuran_earthygre	4038	6022	3.91E-14	5940.06	108	0.00	1.0000
562	pentylfuran_earthygre	4038	6024	-20.5854	4200.26	108	-0.00	1.0000
563	pentylfuran_earthygre	4038	6026	1.78E-14	5940.06	108	0.00	1.0000
564	pentylfuran_earthygre	4038	6028	-20.5854	4200.26	108	-0.00	1.0000
565	pentylfuran_earthygre	4040	5026	1.07E-14	5940.06	108	0.00	1.0000
566	pentylfuran_earthygre	4040	5028	1.78E-14	5940.06	108	0.00	1.0000
567	pentylfuran_earthygre	4040	5030	7.11E-15	5940.06	108	0.00	1.0000
568	pentylfuran_earthygre	4040	5032	7.11E-15	5940.06	108	0.00	1.0000
569	pentylfuran_earthygre	4040	6022	2.49E-14	5940.06	108	0.00	1.0000
570	pentylfuran_earthygre	4040	6024	-20.5854	4200.26	108	-0.00	1.0000
571	pentylfuran_earthygre	4040	6026	3.55E-15	5940.06	108	0.00	1.0000
572	pentylfuran_earthygre	4040	6028	-20.5854	4200.26	108	-0.00	1.0000
573	pentylfuran_earthygre	5026	5028	7.11E-15	5940.06	108	0.00	1.0000
574	pentylfuran_earthygre	5026	5030	-355E-17	5940.06	108	-0.00	1.0000
575	pentylfuran_earthygre	5026	5032	-355E-17	5940.06	108	-0.00	1.0000
576	pentylfuran_earthygre	5026	6022	1.42E-14	5940.06	108	0.00	1.0000
577	pentylfuran_earthygre	5026	6024	-20.5854	4200.26	108	-0.00	1.0000
578	pentylfuran_earthygre	5026	6026	-711E-17	5940.06	108	-0.00	1.0000
579	pentylfuran_earthygre	5026	6028	-20.5854	4200.26	108	-0.00	1.0000
580	pentylfuran_earthygre	5028	5030	-107E-16	5940.06	108	-0.00	1.0000
581	pentylfuran_earthygre	5028	5032	-107E-16	5940.06	108	-0.00	1.0000
582	pentylfuran_earthygre	5028	6022	7.11E-15	5940.06	108	0.00	1.0000
583	pentylfuran_earthygre	5028	6024	-20.5854	4200.26	108	-0.00	1.0000
584	pentylfuran_earthygre	5028	6026	-142E-16	5940.06	108	-0.00	1.0000
585	pentylfuran_earthygre	5028	6028	-20.5854	4200.26	108	-0.00	1.0000
586	pentylfuran_earthygre	5030	5032	0	5940.06	108	0.00	1.0000
587	pentylfuran_earthygre	5030	6022	1.78E-14	5940.06	108	0.00	1.0000
588	pentylfuran_earthygre	5030	6024	-20.5854	4200.26	108	-0.00	1.0000
589	pentylfuran_earthygre	5030	6026	-355E-17	5940.06	108	-0.00	1.0000
590	pentylfuran_earthygre	5030	6028	-20.5854	4200.26	108	-0.00	1.0000
591	pentylfuran_earthygre	5032	6022	1.78E-14	5940.06	108	0.00	1.0000
592	pentylfuran_earthygre	5032	6024	-20.5854	4200.26	108	-0.00	1.0000
593	pentylfuran_earthygre	5032	6026	-355E-17	5940.06	108	-0.00	1.0000
594	pentylfuran_earthygre	5032	6028	-20.5854	4200.26	108	-0.00	1.0000
595	pentylfuran_earthygre	6022	6024	-20.5854	4200.26	108	-0.00	1.0000
596	pentylfuran_earthygre	6022	6026	-213E-16	5940.06	108	-0.00	1.0000
597	pentylfuran_earthygre	6022	6028	-20.5854	4200.26	108	-0.00	1.0000
598	pentylfuran_earthygre	6024	6026	20.5854	4200.26	108	0.00	1.0000
599	pentylfuran_earthygre	6024	6028	2.92E-14	0.4424	108	0.00	1.0000
600	pentylfuran_earthygre	6026	6028	-20.5854	4200.26	108	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
601	propanal__solvent_pun	3040	6022	-3.0020	1.3459	109	-2.23	0.6739
602	propanal__solvent_pun	5028	6022	-3.0020	1.3459	109	-2.23	0.6739
603	propanal__solvent_pun	6022	6024	2.2706	1.2963	109	1.75	0.9274
604	propanal__solvent_pun	6022	6026	2.2706	1.2963	109	1.75	0.9274
605	propanal__solvent_pun	4034	6022	-2.2706	1.2963	109	-1.75	0.9274
606	propanal__solvent_pun	6022	6028	1.5809	1.2830	109	1.23	0.9973
607	propanal__solvent_pun	5026	6022	-1.5809	1.2830	109	-1.23	0.9973
608	propanal__solvent_pun	5030	6022	-1.5809	1.2830	109	-1.23	0.9973
609	propanal__solvent_pun	5032	6022	-1.5809	1.2830	109	-1.23	0.9973
610	propanal__solvent_pun	3040	5026	-1.4211	1.2056	109	-1.18	0.9983
611	propanal__solvent_pun	3040	5030	-1.4211	1.2056	109	-1.18	0.9983
612	propanal__solvent_pun	3040	5032	-1.4211	1.2056	109	-1.18	0.9983
613	propanal__solvent_pun	5026	5028	1.4211	1.2056	109	1.18	0.9983
614	propanal__solvent_pun	5028	5030	-1.4211	1.2056	109	-1.18	0.9983
615	propanal__solvent_pun	5028	5032	-1.4211	1.2056	109	-1.18	0.9983
616	propanal__solvent_pun	3040	6028	-1.4211	1.2056	109	-1.18	0.9983
617	propanal__solvent_pun	5028	6028	-1.4211	1.2056	109	-1.18	0.9983
618	propanal__solvent_pun	3040	4034	-0.7314	1.1970	109	-0.61	1.0000
619	propanal__solvent_pun	3040	6024	-0.7314	1.1970	109	-0.61	1.0000
620	propanal__solvent_pun	3040	6026	-0.7314	1.1970	109	-0.61	1.0000
621	propanal__solvent_pun	4034	5028	0.7314	1.1970	109	0.61	1.0000
622	propanal__solvent_pun	5028	6024	-0.7314	1.1970	109	-0.61	1.0000
623	propanal__solvent_pun	5028	6026	-0.7314	1.1970	109	-0.61	1.0000
624	propanal__solvent_pun	4034	5026	-0.6897	1.1588	109	-0.60	1.0000
625	propanal__solvent_pun	4034	5030	-0.6897	1.1588	109	-0.60	1.0000
626	propanal__solvent_pun	4034	5032	-0.6897	1.1588	109	-0.60	1.0000
627	propanal__solvent_pun	4034	6028	-0.6897	1.1588	109	-0.60	1.0000
628	propanal__solvent_pun	5026	6024	0.6897	1.1588	109	0.60	1.0000
629	propanal__solvent_pun	5026	6026	0.6897	1.1588	109	0.60	1.0000
630	propanal__solvent_pun	5030	6024	0.6897	1.1588	109	0.60	1.0000
631	propanal__solvent_pun	5030	6026	0.6897	1.1588	109	0.60	1.0000
632	propanal__solvent_pun	5032	6024	0.6897	1.1588	109	0.60	1.0000
633	propanal__solvent_pun	5032	6026	0.6897	1.1588	109	0.60	1.0000
634	propanal__solvent_pun	6024	6028	-0.6897	1.1588	109	-0.60	1.0000
635	propanal__solvent_pun	6026	6028	-0.6897	1.1588	109	-0.60	1.0000
636	propanal__solvent_pun	3040	3042	21.4895	15199	109	0.00	1.0000
637	propanal__solvent_pun	3040	3044	21.4895	15199	109	0.00	1.0000
638	propanal__solvent_pun	3040	3046	21.4895	15199	109	0.00	1.0000
639	propanal__solvent_pun	3040	4036	21.4895	15199	109	0.00	1.0000
640	propanal__solvent_pun	3040	4038	21.4895	15199	109	0.00	1.0000
641	propanal__solvent_pun	3040	4040	21.4895	15199	109	0.00	1.0000
642	propanal__solvent_pun	3040	5028	2.22E-16	1.2356	109	0.00	1.0000
643	propanal__solvent_pun	3042	3044	0	21495	109	0.00	1.0000
644	propanal__solvent_pun	3042	3046	0	21495	109	0.00	1.0000
645	propanal__solvent_pun	3042	4034	-22.2209	15199	109	-0.00	1.0000
646	propanal__solvent_pun	3042	4036	-355E-17	21495	109	-0.00	1.0000
647	propanal__solvent_pun	3042	4038	-107E-16	21495	109	-0.00	1.0000
648	propanal__solvent_pun	3042	4040	-142E-16	21495	109	-0.00	1.0000
649	propanal__solvent_pun	3042	5026	-22.9106	15199	109	-0.00	1.0000
650	propanal__solvent_pun	3042	5028	-21.4895	15199	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
651	propanal__solvent_pun	3042	5030	-22.9106	15199	109	-0.00	1.0000
652	propanal__solvent_pun	3042	5032	-22.9106	15199	109	-0.00	1.0000
653	propanal__solvent_pun	3042	6022	-24.4915	15199	109	-0.00	1.0000
654	propanal__solvent_pun	3042	6024	-22.2209	15199	109	-0.00	1.0000
655	propanal__solvent_pun	3042	6026	-22.2209	15199	109	-0.00	1.0000
656	propanal__solvent_pun	3042	6028	-22.9106	15199	109	-0.00	1.0000
657	propanal__solvent_pun	3044	3046	0	21495	109	0.00	1.0000
658	propanal__solvent_pun	3044	4034	-22.2209	15199	109	-0.00	1.0000
659	propanal__solvent_pun	3044	4036	-355E-17	21495	109	-0.00	1.0000
660	propanal__solvent_pun	3044	4038	-107E-16	21495	109	-0.00	1.0000
661	propanal__solvent_pun	3044	4040	-142E-16	21495	109	-0.00	1.0000
662	propanal__solvent_pun	3044	5026	-22.9106	15199	109	-0.00	1.0000
663	propanal__solvent_pun	3044	5028	-21.4895	15199	109	-0.00	1.0000
664	propanal__solvent_pun	3044	5030	-22.9106	15199	109	-0.00	1.0000
665	propanal__solvent_pun	3044	5032	-22.9106	15199	109	-0.00	1.0000
666	propanal__solvent_pun	3044	6022	-24.4915	15199	109	-0.00	1.0000
667	propanal__solvent_pun	3044	6024	-22.2209	15199	109	-0.00	1.0000
668	propanal__solvent_pun	3044	6026	-22.2209	15199	109	-0.00	1.0000
669	propanal__solvent_pun	3044	6028	-22.9106	15199	109	-0.00	1.0000
670	propanal__solvent_pun	3046	4034	-22.2209	15199	109	-0.00	1.0000
671	propanal__solvent_pun	3046	4036	-355E-17	21495	109	-0.00	1.0000
672	propanal__solvent_pun	3046	4038	-107E-16	21495	109	-0.00	1.0000
673	propanal__solvent_pun	3046	4040	-142E-16	21495	109	-0.00	1.0000
674	propanal__solvent_pun	3046	5026	-22.9106	15199	109	-0.00	1.0000
675	propanal__solvent_pun	3046	5028	-21.4895	15199	109	-0.00	1.0000
676	propanal__solvent_pun	3046	5030	-22.9106	15199	109	-0.00	1.0000
677	propanal__solvent_pun	3046	5032	-22.9106	15199	109	-0.00	1.0000
678	propanal__solvent_pun	3046	6022	-24.4915	15199	109	-0.00	1.0000
679	propanal__solvent_pun	3046	6024	-22.2209	15199	109	-0.00	1.0000
680	propanal__solvent_pun	3046	6026	-22.2209	15199	109	-0.00	1.0000
681	propanal__solvent_pun	3046	6028	-22.9106	15199	109	-0.00	1.0000
682	propanal__solvent_pun	4034	4036	22.2209	15199	109	0.00	1.0000
683	propanal__solvent_pun	4034	4038	22.2209	15199	109	0.00	1.0000
684	propanal__solvent_pun	4034	4040	22.2209	15199	109	0.00	1.0000
685	propanal__solvent_pun	4034	6024	-444E-18	1.1538	109	-0.00	1.0000
686	propanal__solvent_pun	4034	6026	-333E-18	1.1538	109	-0.00	1.0000
687	propanal__solvent_pun	4036	4038	-711E-17	21495	109	-0.00	1.0000
688	propanal__solvent_pun	4036	4040	-107E-16	21495	109	-0.00	1.0000
689	propanal__solvent_pun	4036	5026	-22.9106	15199	109	-0.00	1.0000
690	propanal__solvent_pun	4036	5028	-21.4895	15199	109	-0.00	1.0000
691	propanal__solvent_pun	4036	5030	-22.9106	15199	109	-0.00	1.0000
692	propanal__solvent_pun	4036	5032	-22.9106	15199	109	-0.00	1.0000
693	propanal__solvent_pun	4036	6022	-24.4915	15199	109	-0.00	1.0000
694	propanal__solvent_pun	4036	6024	-22.2209	15199	109	-0.00	1.0000
695	propanal__solvent_pun	4036	6026	-22.2209	15199	109	-0.00	1.0000
696	propanal__solvent_pun	4036	6028	-22.9106	15199	109	-0.00	1.0000
697	propanal__solvent_pun	4038	4040	-355E-17	21495	109	-0.00	1.0000
698	propanal__solvent_pun	4038	5026	-22.9106	15199	109	-0.00	1.0000
699	propanal__solvent_pun	4038	5028	-21.4895	15199	109	-0.00	1.0000
700	propanal__solvent_pun	4038	5030	-22.9106	15199	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
701	propanal__solvent_pun	4038	5032	-22.9106	15199	109	-0.00	1.0000
702	propanal__solvent_pun	4038	6022	-24.4915	15199	109	-0.00	1.0000
703	propanal__solvent_pun	4038	6024	-22.2209	15199	109	-0.00	1.0000
704	propanal__solvent_pun	4038	6026	-22.2209	15199	109	-0.00	1.0000
705	propanal__solvent_pun	4038	6028	-22.9106	15199	109	-0.00	1.0000
706	propanal__solvent_pun	4040	5026	-22.9106	15199	109	-0.00	1.0000
707	propanal__solvent_pun	4040	5028	-21.4895	15199	109	-0.00	1.0000
708	propanal__solvent_pun	4040	5030	-22.9106	15199	109	-0.00	1.0000
709	propanal__solvent_pun	4040	5032	-22.9106	15199	109	-0.00	1.0000
710	propanal__solvent_pun	4040	6022	-24.4915	15199	109	-0.00	1.0000
711	propanal__solvent_pun	4040	6024	-22.2209	15199	109	-0.00	1.0000
712	propanal__solvent_pun	4040	6026	-22.2209	15199	109	-0.00	1.0000
713	propanal__solvent_pun	4040	6028	-22.9106	15199	109	-0.00	1.0000
714	propanal__solvent_pun	5026	5030	-322E-19	1.1586	109	-0.00	1.0000
715	propanal__solvent_pun	5026	5032	-143E-18	1.1586	109	-0.00	1.0000
716	propanal__solvent_pun	5026	6028	1.59E-14	1.1586	109	0.00	1.0000
717	propanal__solvent_pun	5030	5032	-111E-18	1.1586	109	-0.00	1.0000
718	propanal__solvent_pun	5030	6028	1.59E-14	1.1586	109	0.00	1.0000
719	propanal__solvent_pun	5032	6028	1.6E-14	1.1586	109	0.00	1.0000
720	propanal__solvent_pun	6024	6026	1.11E-16	1.1538	109	0.00	1.0000
721	benzaldehyde__almond_	4038	5030	2.4418	1.3432	105	1.82	0.9043
722	benzaldehyde__almond_	4038	5032	2.4418	1.3432	105	1.82	0.9043
723	benzaldehyde__almond_	4040	5030	2.4418	1.3432	105	1.82	0.9043
724	benzaldehyde__almond_	4040	5032	2.4418	1.3432	105	1.82	0.9043
725	benzaldehyde__almond_	5028	5030	2.4418	1.3432	105	1.82	0.9043
726	benzaldehyde__almond_	5028	5032	2.4418	1.3432	105	1.82	0.9043
727	benzaldehyde__almond_	5030	6022	-2.4418	1.3432	105	-1.82	0.9043
728	benzaldehyde__almond_	5030	6024	-2.4418	1.3432	105	-1.82	0.9043
729	benzaldehyde__almond_	5032	6022	-2.4418	1.3432	105	-1.82	0.9043
730	benzaldehyde__almond_	5032	6024	-2.4418	1.3432	105	-1.82	0.9043
731	benzaldehyde__almond_	3044	4038	-1.7028	1.3129	105	-1.30	0.9952
732	benzaldehyde__almond_	3044	4040	-1.7028	1.3129	105	-1.30	0.9952
733	benzaldehyde__almond_	3044	5028	-1.7028	1.3129	105	-1.30	0.9952
734	benzaldehyde__almond_	3044	6022	-1.7028	1.3129	105	-1.30	0.9952
735	benzaldehyde__almond_	3044	6024	-1.7028	1.3129	105	-1.30	0.9952
736	benzaldehyde__almond_	3046	4038	-1.7028	1.3129	105	-1.30	0.9952
737	benzaldehyde__almond_	3046	4040	-1.7028	1.3129	105	-1.30	0.9952
738	benzaldehyde__almond_	3046	5028	-1.7028	1.3129	105	-1.30	0.9952
739	benzaldehyde__almond_	3046	6022	-1.7028	1.3129	105	-1.30	0.9952
740	benzaldehyde__almond_	3046	6024	-1.7028	1.3129	105	-1.30	0.9952
741	benzaldehyde__almond_	4034	4038	-1.7028	1.3129	105	-1.30	0.9952
742	benzaldehyde__almond_	4034	4040	-1.7028	1.3129	105	-1.30	0.9952
743	benzaldehyde__almond_	4034	5028	-1.7028	1.3129	105	-1.30	0.9952
744	benzaldehyde__almond_	4034	6022	-1.7028	1.3129	105	-1.30	0.9952
745	benzaldehyde__almond_	4034	6024	-1.7028	1.3129	105	-1.30	0.9952
746	benzaldehyde__almond_	4038	5026	1.7028	1.3129	105	1.30	0.9952
747	benzaldehyde__almond_	4040	5026	1.7028	1.3129	105	1.30	0.9952
748	benzaldehyde__almond_	5026	5028	-1.7028	1.3129	105	-1.30	0.9952
749	benzaldehyde__almond_	5026	6022	-1.7028	1.3129	105	-1.30	0.9952
750	benzaldehyde__almond_	5026	6024	-1.7028	1.3129	105	-1.30	0.9952

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
751	benzaldehyde__almond_	3042	5030	1.4790	1.1840	105	1.25	0.9968
752	benzaldehyde__almond_	3042	5032	1.4790	1.1840	105	1.25	0.9968
753	benzaldehyde__almond_	5030	6028	-1.4790	1.1840	105	-1.25	0.9968
754	benzaldehyde__almond_	5032	6028	-1.4790	1.1840	105	-1.25	0.9968
755	benzaldehyde__almond_	5030	6026	-1.4790	1.1840	105	-1.25	0.9968
756	benzaldehyde__almond_	5032	6026	-1.4790	1.1840	105	-1.25	0.9968
757	benzaldehyde__almond_	3042	4038	-0.9629	1.3385	105	-0.72	1.0000
758	benzaldehyde__almond_	3042	4040	-0.9629	1.3385	105	-0.72	1.0000
759	benzaldehyde__almond_	3042	5028	-0.9629	1.3385	105	-0.72	1.0000
760	benzaldehyde__almond_	3042	6022	-0.9629	1.3385	105	-0.72	1.0000
761	benzaldehyde__almond_	3042	6024	-0.9629	1.3385	105	-0.72	1.0000
762	benzaldehyde__almond_	4038	6026	0.9629	1.3385	105	0.72	1.0000
763	benzaldehyde__almond_	4038	6028	0.9629	1.3385	105	0.72	1.0000
764	benzaldehyde__almond_	4040	6026	0.9629	1.3385	105	0.72	1.0000
765	benzaldehyde__almond_	4040	6028	0.9629	1.3385	105	0.72	1.0000
766	benzaldehyde__almond_	5028	6026	0.9629	1.3385	105	0.72	1.0000
767	benzaldehyde__almond_	5028	6028	0.9629	1.3385	105	0.72	1.0000
768	benzaldehyde__almond_	6022	6026	0.9629	1.3385	105	0.72	1.0000
769	benzaldehyde__almond_	6022	6028	0.9629	1.3385	105	0.72	1.0000
770	benzaldehyde__almond_	6024	6026	0.9629	1.3385	105	0.72	1.0000
771	benzaldehyde__almond_	6024	6028	0.9629	1.3385	105	0.72	1.0000
772	benzaldehyde__almond_	3042	3044	0.7399	1.1510	105	0.64	1.0000
773	benzaldehyde__almond_	3042	3046	0.7399	1.1510	105	0.64	1.0000
774	benzaldehyde__almond_	3042	4034	0.7399	1.1510	105	0.64	1.0000
775	benzaldehyde__almond_	3042	5026	0.7399	1.1510	105	0.64	1.0000
776	benzaldehyde__almond_	3044	6026	-0.7399	1.1510	105	-0.64	1.0000
777	benzaldehyde__almond_	3044	6028	-0.7399	1.1510	105	-0.64	1.0000
778	benzaldehyde__almond_	3046	6026	-0.7399	1.1510	105	-0.64	1.0000
779	benzaldehyde__almond_	3046	6028	-0.7399	1.1510	105	-0.64	1.0000
780	benzaldehyde__almond_	4034	6026	-0.7399	1.1510	105	-0.64	1.0000
781	benzaldehyde__almond_	4034	6028	-0.7399	1.1510	105	-0.64	1.0000
782	benzaldehyde__almond_	5026	6026	-0.7399	1.1510	105	-0.64	1.0000
783	benzaldehyde__almond_	5026	6028	-0.7399	1.1510	105	-0.64	1.0000
784	benzaldehyde__almond_	3044	5030	0.7390	1.1503	105	0.64	1.0000
785	benzaldehyde__almond_	3044	5032	0.7390	1.1503	105	0.64	1.0000
786	benzaldehyde__almond_	3046	5030	0.7390	1.1503	105	0.64	1.0000
787	benzaldehyde__almond_	3046	5032	0.7390	1.1503	105	0.64	1.0000
788	benzaldehyde__almond_	4034	5030	0.7390	1.1503	105	0.64	1.0000
789	benzaldehyde__almond_	4034	5032	0.7390	1.1503	105	0.64	1.0000
790	benzaldehyde__almond_	5026	5030	0.7390	1.1503	105	0.64	1.0000
791	benzaldehyde__almond_	5026	5032	0.7390	1.1503	105	0.64	1.0000
792	benzaldehyde__almond_	3040	3042	21.4555	14278	105	0.00	1.0000
793	benzaldehyde__almond_	3040	3044	22.1954	14278	105	0.00	1.0000
794	benzaldehyde__almond_	3040	3046	22.1954	14278	105	0.00	1.0000
795	benzaldehyde__almond_	3040	4034	22.1954	14278	105	0.00	1.0000
796	benzaldehyde__almond_	3040	4036	-355E-17	20192	105	-0.00	1.0000
797	benzaldehyde__almond_	3040	4038	20.4927	14278	105	0.00	1.0000
798	benzaldehyde__almond_	3040	4040	20.4927	14278	105	0.00	1.0000
799	benzaldehyde__almond_	3040	5026	22.1954	14278	105	0.00	1.0000
800	benzaldehyde__almond_	3040	5028	20.4927	14278	105	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
801	benzaldehyde__almond_	3040	5030	22.9345	14278	105	0.00	1.0000
802	benzaldehyde__almond_	3040	5032	22.9345	14278	105	0.00	1.0000
803	benzaldehyde__almond_	3040	6022	20.4927	14278	105	0.00	1.0000
804	benzaldehyde__almond_	3040	6024	20.4927	14278	105	0.00	1.0000
805	benzaldehyde__almond_	3040	6026	21.4555	14278	105	0.00	1.0000
806	benzaldehyde__almond_	3040	6028	21.4555	14278	105	0.00	1.0000
807	benzaldehyde__almond_	3042	4036	-21.4555	14278	105	-0.00	1.0000
808	benzaldehyde__almond_	3042	6026	3.35E-16	1.1816	105	0.00	1.0000
809	benzaldehyde__almond_	3042	6028	-244E-17	1.1816	105	-0.00	1.0000
810	benzaldehyde__almond_	3044	3046	-111E-18	1.1179	105	-0.00	1.0000
811	benzaldehyde__almond_	3044	4034	-222E-18	1.1179	105	-0.00	1.0000
812	benzaldehyde__almond_	3044	4036	-22.1954	14278	105	-0.00	1.0000
813	benzaldehyde__almond_	3044	5026	-222E-18	1.1179	105	-0.00	1.0000
814	benzaldehyde__almond_	3046	4034	-111E-18	1.1179	105	-0.00	1.0000
815	benzaldehyde__almond_	3046	4036	-22.1954	14278	105	-0.00	1.0000
816	benzaldehyde__almond_	3046	5026	-111E-18	1.1179	105	-0.00	1.0000
817	benzaldehyde__almond_	4034	4036	-22.1954	14278	105	-0.00	1.0000
818	benzaldehyde__almond_	4034	5026	0	1.1179	105	0.00	1.0000
819	benzaldehyde__almond_	4036	4038	20.4927	14278	105	0.00	1.0000
820	benzaldehyde__almond_	4036	4040	20.4927	14278	105	0.00	1.0000
821	benzaldehyde__almond_	4036	5026	22.1954	14278	105	0.00	1.0000
822	benzaldehyde__almond_	4036	5028	20.4927	14278	105	0.00	1.0000
823	benzaldehyde__almond_	4036	5030	22.9345	14278	105	0.00	1.0000
824	benzaldehyde__almond_	4036	5032	22.9345	14278	105	0.00	1.0000
825	benzaldehyde__almond_	4036	6022	20.4927	14278	105	0.00	1.0000
826	benzaldehyde__almond_	4036	6024	20.4927	14278	105	0.00	1.0000
827	benzaldehyde__almond_	4036	6026	21.4555	14278	105	0.00	1.0000
828	benzaldehyde__almond_	4036	6028	21.4555	14278	105	0.00	1.0000
829	benzaldehyde__almond_	4038	4040	2.22E-16	1.4776	105	0.00	1.0000
830	benzaldehyde__almond_	4038	5028	2.22E-16	1.4776	105	0.00	1.0000
831	benzaldehyde__almond_	4038	6022	0	1.4776	105	0.00	1.0000
832	benzaldehyde__almond_	4038	6024	3.33E-16	1.4776	105	0.00	1.0000
833	benzaldehyde__almond_	4040	5028	0	1.4776	105	0.00	1.0000
834	benzaldehyde__almond_	4040	6022	-222E-18	1.4776	105	-0.00	1.0000
835	benzaldehyde__almond_	4040	6024	1.11E-16	1.4776	105	0.00	1.0000
836	benzaldehyde__almond_	5028	6022	-222E-18	1.4776	105	-0.00	1.0000
837	benzaldehyde__almond_	5028	6024	1.11E-16	1.4776	105	0.00	1.0000
838	benzaldehyde__almond_	5030	5032	0	1.1803	105	0.00	1.0000
839	benzaldehyde__almond_	6022	6024	3.33E-16	1.4776	105	0.00	1.0000
840	benzaldehyde__almond_	6026	6028	-277E-17	1.1816	105	-0.00	1.0000
841	__methyl_2_buten_1_ol	6022	6026	-3.2823	0.9623	109	-3.41	0.0659
842	__methyl_2_buten_1_ol	3044	6026	-2.3907	0.8328	109	-2.87	0.2471
843	__methyl_2_buten_1_ol	4038	6026	-2.3907	0.8328	109	-2.87	0.2471
844	__methyl_2_buten_1_ol	6024	6026	-2.3907	0.8328	109	-2.87	0.2471
845	__methyl_2_buten_1_ol	6022	6028	-2.0855	0.9103	109	-2.29	0.6309
846	__methyl_2_buten_1_ol	5030	6026	-1.7561	0.7896	109	-2.22	0.6785
847	__methyl_2_buten_1_ol	5030	6022	1.5261	0.9154	109	1.67	0.9508
848	__methyl_2_buten_1_ol	6026	6028	1.1967	0.7759	109	1.54	0.9746
849	__methyl_2_buten_1_ol	3044	6028	-1.1940	0.7746	109	-1.54	0.9748
850	__methyl_2_buten_1_ol	4038	6028	-1.1940	0.7746	109	-1.54	0.9748

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
851	__methyl_2_buten_1_ol	6024	6028	-1.1940	0.7746	109	-1.54	0.9748
852	__methyl_2_buten_1_ol	3044	6022	0.8915	0.9469	109	0.94	0.9999
853	__methyl_2_buten_1_ol	4038	6022	0.8915	0.9469	109	0.94	0.9999
854	__methyl_2_buten_1_ol	6022	6024	-0.8915	0.9469	109	-0.94	0.9999
855	__methyl_2_buten_1_ol	3044	5030	-0.6346	0.7820	109	-0.81	1.0000
856	__methyl_2_buten_1_ol	4038	5030	-0.6346	0.7820	109	-0.81	1.0000
857	__methyl_2_buten_1_ol	5030	6024	0.6346	0.7820	109	0.81	1.0000
858	__methyl_2_buten_1_ol	5030	6028	-0.5594	0.7312	109	-0.77	1.0000
859	__methyl_2_buten_1_ol	3040	3042	1.78E-14	16142	109	0.00	1.0000
860	__methyl_2_buten_1_ol	3040	3044	-21.5024	11414	109	-0.00	1.0000
861	__methyl_2_buten_1_ol	3040	3046	3.55E-15	16142	109	0.00	1.0000
862	__methyl_2_buten_1_ol	3040	4034	-107E-16	16142	109	-0.00	1.0000
863	__methyl_2_buten_1_ol	3040	4036	3.55E-15	16142	109	0.00	1.0000
864	__methyl_2_buten_1_ol	3040	4038	-21.5024	11414	109	-0.00	1.0000
865	__methyl_2_buten_1_ol	3040	4040	0	16142	109	0.00	1.0000
866	__methyl_2_buten_1_ol	3040	5026	3.55E-15	16142	109	0.00	1.0000
867	__methyl_2_buten_1_ol	3040	5028	1.07E-14	16142	109	0.00	1.0000
868	__methyl_2_buten_1_ol	3040	5030	-22.1370	11414	109	-0.00	1.0000
869	__methyl_2_buten_1_ol	3040	5032	3.55E-15	16142	109	0.00	1.0000
870	__methyl_2_buten_1_ol	3040	6022	-20.6109	11414	109	-0.00	1.0000
871	__methyl_2_buten_1_ol	3040	6024	-21.5024	11414	109	-0.00	1.0000
872	__methyl_2_buten_1_ol	3040	6026	-23.8931	11414	109	-0.00	1.0000
873	__methyl_2_buten_1_ol	3040	6028	-22.6964	11414	109	-0.00	1.0000
874	__methyl_2_buten_1_ol	3042	3044	-21.5024	11414	109	-0.00	1.0000
875	__methyl_2_buten_1_ol	3042	3046	-142E-16	16142	109	-0.00	1.0000
876	__methyl_2_buten_1_ol	3042	4034	-284E-16	16142	109	-0.00	1.0000
877	__methyl_2_buten_1_ol	3042	4036	-142E-16	16142	109	-0.00	1.0000
878	__methyl_2_buten_1_ol	3042	4038	-21.5024	11414	109	-0.00	1.0000
879	__methyl_2_buten_1_ol	3042	4040	-178E-16	16142	109	-0.00	1.0000
880	__methyl_2_buten_1_ol	3042	5026	-142E-16	16142	109	-0.00	1.0000
881	__methyl_2_buten_1_ol	3042	5028	-711E-17	16142	109	-0.00	1.0000
882	__methyl_2_buten_1_ol	3042	5030	-22.1370	11414	109	-0.00	1.0000
883	__methyl_2_buten_1_ol	3042	5032	-142E-16	16142	109	-0.00	1.0000
884	__methyl_2_buten_1_ol	3042	6022	-20.6109	11414	109	-0.00	1.0000
885	__methyl_2_buten_1_ol	3042	6024	-21.5024	11414	109	-0.00	1.0000
886	__methyl_2_buten_1_ol	3042	6026	-23.8931	11414	109	-0.00	1.0000
887	__methyl_2_buten_1_ol	3042	6028	-22.6964	11414	109	-0.00	1.0000
888	__methyl_2_buten_1_ol	3044	3046	21.5024	11414	109	0.00	1.0000
889	__methyl_2_buten_1_ol	3044	4034	21.5024	11414	109	0.00	1.0000
890	__methyl_2_buten_1_ol	3044	4036	21.5024	11414	109	0.00	1.0000
891	__methyl_2_buten_1_ol	3044	4038	0	0.8199	109	0.00	1.0000
892	__methyl_2_buten_1_ol	3044	4040	21.5024	11414	109	0.00	1.0000
893	__methyl_2_buten_1_ol	3044	5026	21.5024	11414	109	0.00	1.0000
894	__methyl_2_buten_1_ol	3044	5028	21.5024	11414	109	0.00	1.0000
895	__methyl_2_buten_1_ol	3044	5032	21.5024	11414	109	0.00	1.0000
896	__methyl_2_buten_1_ol	3044	6024	4.44E-16	0.8199	109	0.00	1.0000
897	__methyl_2_buten_1_ol	3046	4034	-142E-16	16142	109	-0.00	1.0000
898	__methyl_2_buten_1_ol	3046	4036	0	16142	109	0.00	1.0000
899	__methyl_2_buten_1_ol	3046	4038	-21.5024	11414	109	-0.00	1.0000
900	__methyl_2_buten_1_ol	3046	4040	-355E-17	16142	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
901	__methyl_2_buten_1_ol	3046	5026	0	16142	109	0.00	1.0000
902	__methyl_2_buten_1_ol	3046	5028	7.11E-15	16142	109	0.00	1.0000
903	__methyl_2_buten_1_ol	3046	5030	-22.1370	11414	109	-0.00	1.0000
904	__methyl_2_buten_1_ol	3046	5032	0	16142	109	0.00	1.0000
905	__methyl_2_buten_1_ol	3046	6022	-20.6109	11414	109	-0.00	1.0000
906	__methyl_2_buten_1_ol	3046	6024	-21.5024	11414	109	-0.00	1.0000
907	__methyl_2_buten_1_ol	3046	6026	-23.8931	11414	109	-0.00	1.0000
908	__methyl_2_buten_1_ol	3046	6028	-22.6964	11414	109	-0.00	1.0000
909	__methyl_2_buten_1_ol	4034	4036	1.42E-14	16142	109	0.00	1.0000
910	__methyl_2_buten_1_ol	4034	4038	-21.5024	11414	109	-0.00	1.0000
911	__methyl_2_buten_1_ol	4034	4040	1.07E-14	16142	109	0.00	1.0000
912	__methyl_2_buten_1_ol	4034	5026	1.42E-14	16142	109	0.00	1.0000
913	__methyl_2_buten_1_ol	4034	5028	2.13E-14	16142	109	0.00	1.0000
914	__methyl_2_buten_1_ol	4034	5030	-22.1370	11414	109	-0.00	1.0000
915	__methyl_2_buten_1_ol	4034	5032	1.42E-14	16142	109	0.00	1.0000
916	__methyl_2_buten_1_ol	4034	6022	-20.6109	11414	109	-0.00	1.0000
917	__methyl_2_buten_1_ol	4034	6024	-21.5024	11414	109	-0.00	1.0000
918	__methyl_2_buten_1_ol	4034	6026	-23.8931	11414	109	-0.00	1.0000
919	__methyl_2_buten_1_ol	4034	6028	-22.6964	11414	109	-0.00	1.0000
920	__methyl_2_buten_1_ol	4036	4038	-21.5024	11414	109	-0.00	1.0000
921	__methyl_2_buten_1_ol	4036	4040	-355E-17	16142	109	-0.00	1.0000
922	__methyl_2_buten_1_ol	4036	5026	0	16142	109	0.00	1.0000
923	__methyl_2_buten_1_ol	4036	5028	7.11E-15	16142	109	0.00	1.0000
924	__methyl_2_buten_1_ol	4036	5030	-22.1370	11414	109	-0.00	1.0000
925	__methyl_2_buten_1_ol	4036	5032	0	16142	109	0.00	1.0000
926	__methyl_2_buten_1_ol	4036	6022	-20.6109	11414	109	-0.00	1.0000
927	__methyl_2_buten_1_ol	4036	6024	-21.5024	11414	109	-0.00	1.0000
928	__methyl_2_buten_1_ol	4036	6026	-23.8931	11414	109	-0.00	1.0000
929	__methyl_2_buten_1_ol	4036	6028	-22.6964	11414	109	-0.00	1.0000
930	__methyl_2_buten_1_ol	4038	4040	21.5024	11414	109	0.00	1.0000
931	__methyl_2_buten_1_ol	4038	5026	21.5024	11414	109	0.00	1.0000
932	__methyl_2_buten_1_ol	4038	5028	21.5024	11414	109	0.00	1.0000
933	__methyl_2_buten_1_ol	4038	5032	21.5024	11414	109	0.00	1.0000
934	__methyl_2_buten_1_ol	4038	6024	4.44E-16	0.8199	109	0.00	1.0000
935	__methyl_2_buten_1_ol	4040	5026	3.55E-15	16142	109	0.00	1.0000
936	__methyl_2_buten_1_ol	4040	5028	1.07E-14	16142	109	0.00	1.0000
937	__methyl_2_buten_1_ol	4040	5030	-22.1370	11414	109	-0.00	1.0000
938	__methyl_2_buten_1_ol	4040	5032	3.55E-15	16142	109	0.00	1.0000
939	__methyl_2_buten_1_ol	4040	6022	-20.6109	11414	109	-0.00	1.0000
940	__methyl_2_buten_1_ol	4040	6024	-21.5024	11414	109	-0.00	1.0000
941	__methyl_2_buten_1_ol	4040	6026	-23.8931	11414	109	-0.00	1.0000
942	__methyl_2_buten_1_ol	4040	6028	-22.6964	11414	109	-0.00	1.0000
943	__methyl_2_buten_1_ol	5026	5028	7.11E-15	16142	109	0.00	1.0000
944	__methyl_2_buten_1_ol	5026	5030	-22.1370	11414	109	-0.00	1.0000
945	__methyl_2_buten_1_ol	5026	5032	0	16142	109	0.00	1.0000
946	__methyl_2_buten_1_ol	5026	6022	-20.6109	11414	109	-0.00	1.0000
947	__methyl_2_buten_1_ol	5026	6024	-21.5024	11414	109	-0.00	1.0000
948	__methyl_2_buten_1_ol	5026	6026	-23.8931	11414	109	-0.00	1.0000
949	__methyl_2_buten_1_ol	5026	6028	-22.6964	11414	109	-0.00	1.0000
950	__methyl_2_buten_1_ol	5028	5030	-22.1370	11414	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
951	__methyl_2_buten_1_ol	5028	5032	-711E-17	16142	109	-0.00	1.0000
952	__methyl_2_buten_1_ol	5028	6022	-20.6109	11414	109	-0.00	1.0000
953	__methyl_2_buten_1_ol	5028	6024	-21.5024	11414	109	-0.00	1.0000
954	__methyl_2_buten_1_ol	5028	6026	-23.8931	11414	109	-0.00	1.0000
955	__methyl_2_buten_1_ol	5028	6028	-22.6964	11414	109	-0.00	1.0000
956	__methyl_2_buten_1_ol	5030	5032	22.1370	11414	109	0.00	1.0000
957	__methyl_2_buten_1_ol	5032	6022	-20.6109	11414	109	-0.00	1.0000
958	__methyl_2_buten_1_ol	5032	6024	-21.5024	11414	109	-0.00	1.0000
959	__methyl_2_buten_1_ol	5032	6026	-23.8931	11414	109	-0.00	1.0000
960	__methyl_2_buten_1_ol	5032	6028	-22.6964	11414	109	-0.00	1.0000
961	__heptanol__herb_	6022	6024	-2.3026	0.6884	97	-3.34	0.0808
962	__heptanol__herb_	6024	6026	2.3026	0.6884	97	3.34	0.0808
963	__heptanol__herb_	3040	3042	0	7083.06	97	0.00	1.0000
964	__heptanol__herb_	3040	3044	-20.5330	5008.48	97	-0.00	1.0000
965	__heptanol__herb_	3040	3046	-924E-16	7083.06	97	-0.00	1.0000
966	__heptanol__herb_	3040	4034	-995E-16	7083.06	97	-0.00	1.0000
967	__heptanol__herb_	3040	4036	-20.5330	5008.48	97	-0.00	1.0000
968	__heptanol__herb_	3040	4038	-128E-15	7083.06	97	-0.00	1.0000
969	__heptanol__herb_	3040	4040	-128E-15	7083.06	97	-0.00	1.0000
970	__heptanol__herb_	3040	5026	-59.4661	6065.30	97	-0.01	1.0000
971	__heptanol__herb_	3040	5028	-59.4661	6065.30	97	-0.01	1.0000
972	__heptanol__herb_	3040	5030	-59.4661	6065.30	97	-0.01	1.0000
973	__heptanol__herb_	3040	5032	-59.4661	6065.30	97	-0.01	1.0000
974	__heptanol__herb_	3040	6022	-79.2463	5825.01	97	-0.01	1.0000
975	__heptanol__herb_	3040	6024	-81.5489	5825.01	97	-0.01	1.0000
976	__heptanol__herb_	3040	6026	-79.2463	5825.01	97	-0.01	1.0000
977	__heptanol__herb_	3040	6028	-59.4661	6065.30	97	-0.01	1.0000
978	__heptanol__herb_	3042	3044	-20.5330	5008.48	97	-0.00	1.0000
979	__heptanol__herb_	3042	3046	-924E-16	7083.06	97	-0.00	1.0000
980	__heptanol__herb_	3042	4034	-995E-16	7083.06	97	-0.00	1.0000
981	__heptanol__herb_	3042	4036	-20.5330	5008.48	97	-0.00	1.0000
982	__heptanol__herb_	3042	4038	-128E-15	7083.06	97	-0.00	1.0000
983	__heptanol__herb_	3042	4040	-128E-15	7083.06	97	-0.00	1.0000
984	__heptanol__herb_	3042	5026	-59.4661	6065.30	97	-0.01	1.0000
985	__heptanol__herb_	3042	5028	-59.4661	6065.30	97	-0.01	1.0000
986	__heptanol__herb_	3042	5030	-59.4661	6065.30	97	-0.01	1.0000
987	__heptanol__herb_	3042	5032	-59.4661	6065.30	97	-0.01	1.0000
988	__heptanol__herb_	3042	6022	-79.2463	5825.01	97	-0.01	1.0000
989	__heptanol__herb_	3042	6024	-81.5489	5825.01	97	-0.01	1.0000
990	__heptanol__herb_	3042	6026	-79.2463	5825.01	97	-0.01	1.0000
991	__heptanol__herb_	3042	6028	-59.4661	6065.30	97	-0.01	1.0000
992	__heptanol__herb_	3044	3046	20.5330	5008.48	97	0.00	1.0000
993	__heptanol__herb_	3044	4034	20.5330	5008.48	97	0.00	1.0000
994	__heptanol__herb_	3044	4036	0	0.8123	97	0.00	1.0000
995	__heptanol__herb_	3044	4038	20.5330	5008.48	97	0.00	1.0000
996	__heptanol__herb_	3044	4040	20.5330	5008.48	97	0.00	1.0000
997	__heptanol__herb_	3044	5026	-38.9331	3420.97	97	-0.01	1.0000
998	__heptanol__herb_	3044	5028	-38.9331	3420.97	97	-0.01	1.0000
999	__heptanol__herb_	3044	5030	-38.9331	3420.97	97	-0.01	1.0000
1000	__heptanol__herb_	3044	5032	-38.9331	3420.97	97	-0.01	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1001	__heptanol__herb_	3044	6022	-58.7132	2974.20	97	-0.02	1.0000
1002	__heptanol__herb_	3044	6024	-61.0158	2974.20	97	-0.02	1.0000
1003	__heptanol__herb_	3044	6026	-58.7132	2974.20	97	-0.02	1.0000
1004	__heptanol__herb_	3044	6028	-38.9331	3420.97	97	-0.01	1.0000
1005	__heptanol__herb_	3046	4034	-711E-17	7083.06	97	-0.00	1.0000
1006	__heptanol__herb_	3046	4036	-20.5330	5008.48	97	-0.00	1.0000
1007	__heptanol__herb_	3046	4038	-355E-16	7083.06	97	-0.00	1.0000
1008	__heptanol__herb_	3046	4040	-355E-16	7083.06	97	-0.00	1.0000
1009	__heptanol__herb_	3046	5026	-59.4661	6065.30	97	-0.01	1.0000
1010	__heptanol__herb_	3046	5028	-59.4661	6065.30	97	-0.01	1.0000
1011	__heptanol__herb_	3046	5030	-59.4661	6065.30	97	-0.01	1.0000
1012	__heptanol__herb_	3046	5032	-59.4661	6065.30	97	-0.01	1.0000
1013	__heptanol__herb_	3046	6022	-79.2463	5825.01	97	-0.01	1.0000
1014	__heptanol__herb_	3046	6024	-81.5489	5825.01	97	-0.01	1.0000
1015	__heptanol__herb_	3046	6026	-79.2463	5825.01	97	-0.01	1.0000
1016	__heptanol__herb_	3046	6028	-59.4661	6065.30	97	-0.01	1.0000
1017	__heptanol__herb_	4034	4036	-20.5330	5008.48	97	-0.00	1.0000
1018	__heptanol__herb_	4034	4038	-284E-16	7083.06	97	-0.00	1.0000
1019	__heptanol__herb_	4034	4040	-284E-16	7083.06	97	-0.00	1.0000
1020	__heptanol__herb_	4034	5026	-59.4661	6065.30	97	-0.01	1.0000
1021	__heptanol__herb_	4034	5028	-59.4661	6065.30	97	-0.01	1.0000
1022	__heptanol__herb_	4034	5030	-59.4661	6065.30	97	-0.01	1.0000
1023	__heptanol__herb_	4034	5032	-59.4661	6065.30	97	-0.01	1.0000
1024	__heptanol__herb_	4034	6022	-79.2463	5825.01	97	-0.01	1.0000
1025	__heptanol__herb_	4034	6024	-81.5489	5825.01	97	-0.01	1.0000
1026	__heptanol__herb_	4034	6026	-79.2463	5825.01	97	-0.01	1.0000
1027	__heptanol__herb_	4034	6028	-59.4661	6065.30	97	-0.01	1.0000
1028	__heptanol__herb_	4036	4038	20.5330	5008.48	97	0.00	1.0000
1029	__heptanol__herb_	4036	4040	20.5330	5008.48	97	0.00	1.0000
1030	__heptanol__herb_	4036	5026	-38.9331	3420.97	97	-0.01	1.0000
1031	__heptanol__herb_	4036	5028	-38.9331	3420.97	97	-0.01	1.0000
1032	__heptanol__herb_	4036	5030	-38.9331	3420.97	97	-0.01	1.0000
1033	__heptanol__herb_	4036	5032	-38.9331	3420.97	97	-0.01	1.0000
1034	__heptanol__herb_	4036	6022	-58.7132	2974.20	97	-0.02	1.0000
1035	__heptanol__herb_	4036	6024	-61.0158	2974.20	97	-0.02	1.0000
1036	__heptanol__herb_	4036	6026	-58.7132	2974.20	97	-0.02	1.0000
1037	__heptanol__herb_	4036	6028	-38.9331	3420.97	97	-0.01	1.0000
1038	__heptanol__herb_	4038	4040	0	7083.06	97	0.00	1.0000
1039	__heptanol__herb_	4038	5026	-59.4661	6065.30	97	-0.01	1.0000
1040	__heptanol__herb_	4038	5028	-59.4661	6065.30	97	-0.01	1.0000
1041	__heptanol__herb_	4038	5030	-59.4661	6065.30	97	-0.01	1.0000
1042	__heptanol__herb_	4038	5032	-59.4661	6065.30	97	-0.01	1.0000
1043	__heptanol__herb_	4038	6022	-79.2463	5825.01	97	-0.01	1.0000
1044	__heptanol__herb_	4038	6024	-81.5489	5825.01	97	-0.01	1.0000
1045	__heptanol__herb_	4038	6026	-79.2463	5825.01	97	-0.01	1.0000
1046	__heptanol__herb_	4038	6028	-59.4661	6065.30	97	-0.01	1.0000
1047	__heptanol__herb_	4040	5026	-59.4661	6065.30	97	-0.01	1.0000
1048	__heptanol__herb_	4040	5028	-59.4661	6065.30	97	-0.01	1.0000
1049	__heptanol__herb_	4040	5030	-59.4661	6065.30	97	-0.01	1.0000
1050	__heptanol__herb_	4040	5032	-59.4661	6065.30	97	-0.01	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1051	__heptanol__herb_	4040	6022	-79.2463	5825.01	97	-0.01	1.0000
1052	__heptanol__herb_	4040	6024	-81.5489	5825.01	97	-0.01	1.0000
1053	__heptanol__herb_	4040	6026	-79.2463	5825.01	97	-0.01	1.0000
1054	__heptanol__herb_	4040	6028	-59.4661	6065.30	97	-0.01	1.0000
1055	__heptanol__herb_	5026	5028	2.41E-14	3947.41	97	0.00	1.0000
1056	__heptanol__herb_	5026	5030	2.5E-14	3947.41	97	0.00	1.0000
1057	__heptanol__herb_	5026	5032	2.21E-15	3947.41	97	0.00	1.0000
1058	__heptanol__herb_	5026	6022	-19.7801	3099.76	97	-0.01	1.0000
1059	__heptanol__herb_	5026	6024	-22.0827	3099.76	97	-0.01	1.0000
1060	__heptanol__herb_	5026	6026	-19.7801	3099.76	97	-0.01	1.0000
1061	__heptanol__herb_	5026	6028	-1.63E-7	3947.41	97	-0.00	1.0000
1062	__heptanol__herb_	5028	5030	8.9E-16	3947.41	97	0.00	1.0000
1063	__heptanol__herb_	5028	5032	-219E-16	3947.41	97	-0.00	1.0000
1064	__heptanol__herb_	5028	6022	-19.7801	3099.76	97	-0.01	1.0000
1065	__heptanol__herb_	5028	6024	-22.0827	3099.76	97	-0.01	1.0000
1066	__heptanol__herb_	5028	6026	-19.7801	3099.76	97	-0.01	1.0000
1067	__heptanol__herb_	5028	6028	-1.63E-7	3947.41	97	-0.00	1.0000
1068	__heptanol__herb_	5030	5032	-228E-16	3947.41	97	-0.00	1.0000
1069	__heptanol__herb_	5030	6022	-19.7801	3099.76	97	-0.01	1.0000
1070	__heptanol__herb_	5030	6024	-22.0827	3099.76	97	-0.01	1.0000
1071	__heptanol__herb_	5030	6026	-19.7801	3099.76	97	-0.01	1.0000
1072	__heptanol__herb_	5030	6028	-1.63E-7	3947.41	97	-0.00	1.0000
1073	__heptanol__herb_	5032	6022	-19.7801	3099.76	97	-0.01	1.0000
1074	__heptanol__herb_	5032	6024	-22.0827	3099.76	97	-0.01	1.0000
1075	__heptanol__herb_	5032	6026	-19.7801	3099.76	97	-0.01	1.0000
1076	__heptanol__herb_	5032	6028	-1.63E-7	3947.41	97	-0.00	1.0000
1077	__heptanol__herb_	6022	6026	0	0.6759	97	0.00	1.0000
1078	__heptanol__herb_	6022	6028	19.7801	3099.76	97	0.01	1.0000
1079	__heptanol__herb_	6024	6028	22.0827	3099.76	97	0.01	1.0000
1080	__heptanol__herb_	6026	6028	19.7801	3099.76	97	0.01	1.0000
1081	__octen_3_ol__mushroo	5030	6024	4.3671	1.4005	109	3.12	0.1414
1082	__octen_3_ol__mushroo	6022	6024	4.3671	1.4005	109	3.12	0.1414
1083	__octen_3_ol__mushroo	4036	6024	4.3671	1.4005	109	3.12	0.1414
1084	__octen_3_ol__mushroo	3044	6024	4.3671	1.4005	109	3.12	0.1414
1085	__octen_3_ol__mushroo	4034	6024	3.4307	1.2517	109	2.74	0.3194
1086	__octen_3_ol__mushroo	4040	6024	3.4307	1.2517	109	2.74	0.3194
1087	__octen_3_ol__mushroo	5028	6024	3.4307	1.2517	109	2.74	0.3194
1088	__octen_3_ol__mushroo	3040	6022	-2.2101	1.1937	109	-1.85	0.8913
1089	__octen_3_ol__mushroo	3040	3044	-2.2101	1.1937	109	-1.85	0.8913
1090	__octen_3_ol__mushroo	3040	4036	-2.2101	1.1937	109	-1.85	0.8913
1091	__octen_3_ol__mushroo	5030	6026	2.2101	1.1937	109	1.85	0.8913
1092	__octen_3_ol__mushroo	3040	5030	-2.2101	1.1937	109	-1.85	0.8913
1093	__octen_3_ol__mushroo	6022	6026	2.2101	1.1937	109	1.85	0.8913
1094	__octen_3_ol__mushroo	3044	6026	2.2101	1.1937	109	1.85	0.8913
1095	__octen_3_ol__mushroo	4036	6026	2.2101	1.1937	109	1.85	0.8913
1096	__octen_3_ol__mushroo	6024	6026	-2.1570	1.1784	109	-1.83	0.8997
1097	__octen_3_ol__mushroo	3040	6024	2.1570	1.1784	109	1.83	0.8997
1098	__octen_3_ol__mushroo	4034	6026	1.2737	1.0214	109	1.25	0.9969
1099	__octen_3_ol__mushroo	5028	6026	1.2737	1.0214	109	1.25	0.9969
1100	__octen_3_ol__mushroo	3040	4034	-1.2737	1.0214	109	-1.25	0.9969

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1101	__octen_3_ol__mushroo	3040	4040	-1.2737	1.0214	109	-1.25	0.9969
1102	__octen_3_ol__mushroo	3040	5028	-1.2737	1.0214	109	-1.25	0.9969
1103	__octen_3_ol__mushroo	4040	6026	1.2737	1.0214	109	1.25	0.9969
1104	__octen_3_ol__mushroo	4034	6022	-0.9364	1.2371	109	-0.76	1.0000
1105	__octen_3_ol__mushroo	4040	6022	-0.9364	1.2371	109	-0.76	1.0000
1106	__octen_3_ol__mushroo	5028	6022	-0.9364	1.2371	109	-0.76	1.0000
1107	__octen_3_ol__mushroo	3044	5028	0.9364	1.2371	109	0.76	1.0000
1108	__octen_3_ol__mushroo	4036	5028	0.9364	1.2371	109	0.76	1.0000
1109	__octen_3_ol__mushroo	4034	5030	-0.9364	1.2371	109	-0.76	1.0000
1110	__octen_3_ol__mushroo	4040	5030	-0.9364	1.2371	109	-0.76	1.0000
1111	__octen_3_ol__mushroo	5028	5030	-0.9364	1.2371	109	-0.76	1.0000
1112	__octen_3_ol__mushroo	4034	4036	-0.9364	1.2371	109	-0.76	1.0000
1113	__octen_3_ol__mushroo	3044	4034	0.9364	1.2371	109	0.76	1.0000
1114	__octen_3_ol__mushroo	3044	4040	0.9364	1.2371	109	0.76	1.0000
1115	__octen_3_ol__mushroo	4036	4040	0.9364	1.2371	109	0.76	1.0000
1116	__octen_3_ol__mushroo	3040	3042	-22.8184	14229	109	-0.00	1.0000
1117	__octen_3_ol__mushroo	3040	3046	-22.8184	14229	109	-0.00	1.0000
1118	__octen_3_ol__mushroo	3040	4038	-22.8184	14229	109	-0.00	1.0000
1119	__octen_3_ol__mushroo	3040	5026	-22.8184	14229	109	-0.00	1.0000
1120	__octen_3_ol__mushroo	3040	5032	-22.8184	14229	109	-0.00	1.0000
1121	__octen_3_ol__mushroo	3040	6026	3.55E-15	0.9464	109	0.00	1.0000
1122	__octen_3_ol__mushroo	3040	6028	22.7472	14331	109	0.00	1.0000
1123	__octen_3_ol__mushroo	3042	3044	20.6083	14229	109	0.00	1.0000
1124	__octen_3_ol__mushroo	3042	3046	-142E-16	20123	109	-0.00	1.0000
1125	__octen_3_ol__mushroo	3042	4034	21.5447	14229	109	0.00	1.0000
1126	__octen_3_ol__mushroo	3042	4036	20.6083	14229	109	0.00	1.0000
1127	__octen_3_ol__mushroo	3042	4038	-142E-16	20123	109	-0.00	1.0000
1128	__octen_3_ol__mushroo	3042	4040	21.5447	14229	109	0.00	1.0000
1129	__octen_3_ol__mushroo	3042	5026	-355E-16	20123	109	-0.00	1.0000
1130	__octen_3_ol__mushroo	3042	5028	21.5447	14229	109	0.00	1.0000
1131	__octen_3_ol__mushroo	3042	5030	20.6083	14229	109	0.00	1.0000
1132	__octen_3_ol__mushroo	3042	5032	-711E-17	20123	109	-0.00	1.0000
1133	__octen_3_ol__mushroo	3042	6022	20.6083	14229	109	0.00	1.0000
1134	__octen_3_ol__mushroo	3042	6024	24.9754	14229	109	0.00	1.0000
1135	__octen_3_ol__mushroo	3042	6026	22.8184	14229	109	0.00	1.0000
1136	__octen_3_ol__mushroo	3042	6028	45.5656	20196	109	0.00	1.0000
1137	__octen_3_ol__mushroo	3044	3046	-20.6083	14229	109	-0.00	1.0000
1138	__octen_3_ol__mushroo	3044	4036	0	1.3751	109	0.00	1.0000
1139	__octen_3_ol__mushroo	3044	4038	-20.6083	14229	109	-0.00	1.0000
1140	__octen_3_ol__mushroo	3044	5026	-20.6083	14229	109	-0.00	1.0000
1141	__octen_3_ol__mushroo	3044	5030	-711E-17	1.3751	109	-0.00	1.0000
1142	__octen_3_ol__mushroo	3044	5032	-20.6083	14229	109	-0.00	1.0000
1143	__octen_3_ol__mushroo	3044	6022	-107E-16	1.3751	109	-0.00	1.0000
1144	__octen_3_ol__mushroo	3044	6028	24.9573	14331	109	0.00	1.0000
1145	__octen_3_ol__mushroo	3046	4034	21.5447	14229	109	0.00	1.0000
1146	__octen_3_ol__mushroo	3046	4036	20.6083	14229	109	0.00	1.0000
1147	__octen_3_ol__mushroo	3046	4038	0	20123	109	0.00	1.0000
1148	__octen_3_ol__mushroo	3046	4040	21.5447	14229	109	0.00	1.0000
1149	__octen_3_ol__mushroo	3046	5026	-213E-16	20123	109	-0.00	1.0000
1150	__octen_3_ol__mushroo	3046	5028	21.5447	14229	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1151	__octen_3_ol__mushroo	3046	5030	20.6083	14229	109	0.00	1.0000
1152	__octen_3_ol__mushroo	3046	5032	7.11E-15	20123	109	0.00	1.0000
1153	__octen_3_ol__mushroo	3046	6022	20.6083	14229	109	0.00	1.0000
1154	__octen_3_ol__mushroo	3046	6024	24.9754	14229	109	0.00	1.0000
1155	__octen_3_ol__mushroo	3046	6026	22.8184	14229	109	0.00	1.0000
1156	__octen_3_ol__mushroo	3046	6028	45.5656	20196	109	0.00	1.0000
1157	__octen_3_ol__mushroo	4034	4038	-21.5447	14229	109	-0.00	1.0000
1158	__octen_3_ol__mushroo	4034	4040	1.07E-14	1.0782	109	0.00	1.0000
1159	__octen_3_ol__mushroo	4034	5026	-21.5447	14229	109	-0.00	1.0000
1160	__octen_3_ol__mushroo	4034	5028	1.42E-14	1.0782	109	0.00	1.0000
1161	__octen_3_ol__mushroo	4034	5032	-21.5447	14229	109	-0.00	1.0000
1162	__octen_3_ol__mushroo	4034	6028	24.0209	14331	109	0.00	1.0000
1163	__octen_3_ol__mushroo	4036	4038	-20.6083	14229	109	-0.00	1.0000
1164	__octen_3_ol__mushroo	4036	5026	-20.6083	14229	109	-0.00	1.0000
1165	__octen_3_ol__mushroo	4036	5030	-711E-17	1.3751	109	-0.00	1.0000
1166	__octen_3_ol__mushroo	4036	5032	-20.6083	14229	109	-0.00	1.0000
1167	__octen_3_ol__mushroo	4036	6022	-107E-16	1.3751	109	-0.00	1.0000
1168	__octen_3_ol__mushroo	4036	6028	24.9573	14331	109	0.00	1.0000
1169	__octen_3_ol__mushroo	4038	4040	21.5447	14229	109	0.00	1.0000
1170	__octen_3_ol__mushroo	4038	5026	-213E-16	20123	109	-0.00	1.0000
1171	__octen_3_ol__mushroo	4038	5028	21.5447	14229	109	0.00	1.0000
1172	__octen_3_ol__mushroo	4038	5030	20.6083	14229	109	0.00	1.0000
1173	__octen_3_ol__mushroo	4038	5032	7.11E-15	20123	109	0.00	1.0000
1174	__octen_3_ol__mushroo	4038	6022	20.6083	14229	109	0.00	1.0000
1175	__octen_3_ol__mushroo	4038	6024	24.9754	14229	109	0.00	1.0000
1176	__octen_3_ol__mushroo	4038	6026	22.8184	14229	109	0.00	1.0000
1177	__octen_3_ol__mushroo	4038	6028	45.5656	20196	109	0.00	1.0000
1178	__octen_3_ol__mushroo	4040	5026	-21.5447	14229	109	-0.00	1.0000
1179	__octen_3_ol__mushroo	4040	5028	3.55E-15	1.0782	109	0.00	1.0000
1180	__octen_3_ol__mushroo	4040	5032	-21.5447	14229	109	-0.00	1.0000
1181	__octen_3_ol__mushroo	4040	6028	24.0209	14331	109	0.00	1.0000
1182	__octen_3_ol__mushroo	5026	5028	21.5447	14229	109	0.00	1.0000
1183	__octen_3_ol__mushroo	5026	5030	20.6083	14229	109	0.00	1.0000
1184	__octen_3_ol__mushroo	5026	5032	2.84E-14	20123	109	0.00	1.0000
1185	__octen_3_ol__mushroo	5026	6022	20.6083	14229	109	0.00	1.0000
1186	__octen_3_ol__mushroo	5026	6024	24.9754	14229	109	0.00	1.0000
1187	__octen_3_ol__mushroo	5026	6026	22.8184	14229	109	0.00	1.0000
1188	__octen_3_ol__mushroo	5026	6028	45.5656	20196	109	0.00	1.0000
1189	__octen_3_ol__mushroo	5028	5032	-21.5447	14229	109	-0.00	1.0000
1190	__octen_3_ol__mushroo	5028	6028	24.0209	14331	109	0.00	1.0000
1191	__octen_3_ol__mushroo	5030	5032	-20.6083	14229	109	-0.00	1.0000
1192	__octen_3_ol__mushroo	5030	6022	-355E-17	1.3751	109	-0.00	1.0000
1193	__octen_3_ol__mushroo	5030	6028	24.9573	14331	109	0.00	1.0000
1194	__octen_3_ol__mushroo	5032	6022	20.6083	14229	109	0.00	1.0000
1195	__octen_3_ol__mushroo	5032	6024	24.9754	14229	109	0.00	1.0000
1196	__octen_3_ol__mushroo	5032	6026	22.8184	14229	109	0.00	1.0000
1197	__octen_3_ol__mushroo	5032	6028	45.5656	20196	109	0.00	1.0000
1198	__octen_3_ol__mushroo	6022	6028	24.9573	14331	109	0.00	1.0000
1199	__octen_3_ol__mushroo	6024	6028	20.5902	14331	109	0.00	1.0000
1200	__octen_3_ol__mushroo	6026	6028	22.7472	14331	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1201	butanoic_acid_rancidc	3044	6028	-3.9573	1.2882	109	-3.07	0.1580
1202	butanoic_acid_rancidc	4038	6028	-3.9573	1.2882	109	-3.07	0.1580
1203	butanoic_acid_rancidc	3040	3044	3.9573	1.2882	109	3.07	0.1580
1204	butanoic_acid_rancidc	3040	4038	3.9573	1.2882	109	3.07	0.1580
1205	butanoic_acid_rancidc	3044	3046	-3.9573	1.2882	109	-3.07	0.1580
1206	butanoic_acid_rancidc	3044	5028	-3.9573	1.2882	109	-3.07	0.1580
1207	butanoic_acid_rancidc	4038	5028	-3.9573	1.2882	109	-3.07	0.1580
1208	butanoic_acid_rancidc	3042	3044	3.9573	1.2882	109	3.07	0.1580
1209	butanoic_acid_rancidc	3042	4038	3.9573	1.2882	109	3.07	0.1580
1210	butanoic_acid_rancidc	3046	4038	3.9573	1.2882	109	3.07	0.1580
1211	butanoic_acid_rancidc	3044	6026	-3.0983	1.1468	109	-2.70	0.3434
1212	butanoic_acid_rancidc	3044	6024	-3.0983	1.1468	109	-2.70	0.3434
1213	butanoic_acid_rancidc	4038	6024	-3.0983	1.1468	109	-2.70	0.3434
1214	butanoic_acid_rancidc	4038	6026	-3.0983	1.1468	109	-2.70	0.3434
1215	butanoic_acid_rancidc	5030	6028	-1.9803	1.0920	109	-1.81	0.9062
1216	butanoic_acid_rancidc	3040	5030	1.9803	1.0920	109	1.81	0.9062
1217	butanoic_acid_rancidc	5028	5030	1.9803	1.0920	109	1.81	0.9062
1218	butanoic_acid_rancidc	3046	5030	1.9803	1.0920	109	1.81	0.9062
1219	butanoic_acid_rancidc	3042	5030	1.9803	1.0920	109	1.81	0.9062
1220	butanoic_acid_rancidc	3044	5030	-1.9771	1.0909	109	-1.81	0.9066
1221	butanoic_acid_rancidc	4038	5030	-1.9771	1.0909	109	-1.81	0.9066
1222	butanoic_acid_rancidc	5030	6024	-1.1212	0.9222	109	-1.22	0.9976
1223	butanoic_acid_rancidc	5030	6026	-1.1212	0.9222	109	-1.22	0.9976
1224	butanoic_acid_rancidc	3040	6024	0.8590	1.1440	109	0.75	1.0000
1225	butanoic_acid_rancidc	3040	6026	0.8590	1.1440	109	0.75	1.0000
1226	butanoic_acid_rancidc	3042	6024	0.8590	1.1440	109	0.75	1.0000
1227	butanoic_acid_rancidc	3042	6026	0.8590	1.1440	109	0.75	1.0000
1228	butanoic_acid_rancidc	3046	6024	0.8590	1.1440	109	0.75	1.0000
1229	butanoic_acid_rancidc	3046	6026	0.8590	1.1440	109	0.75	1.0000
1230	butanoic_acid_rancidc	5028	6024	0.8590	1.1440	109	0.75	1.0000
1231	butanoic_acid_rancidc	5028	6026	0.8590	1.1440	109	0.75	1.0000
1232	butanoic_acid_rancidc	6024	6028	-0.8590	1.1440	109	-0.75	1.0000
1233	butanoic_acid_rancidc	6026	6028	-0.8590	1.1440	109	-0.75	1.0000
1234	butanoic_acid_rancidc	3040	3042	8.88E-16	1.2839	109	0.00	1.0000
1235	butanoic_acid_rancidc	3040	3046	3.38E-16	1.2839	109	0.00	1.0000
1236	butanoic_acid_rancidc	3040	4034	-20.6181	14296	109	-0.00	1.0000
1237	butanoic_acid_rancidc	3040	4036	-20.6181	14296	109	-0.00	1.0000
1238	butanoic_acid_rancidc	3040	4040	-20.6181	14296	109	-0.00	1.0000
1239	butanoic_acid_rancidc	3040	5026	-20.6181	14296	109	-0.00	1.0000
1240	butanoic_acid_rancidc	3040	5028	-231E-18	1.2839	109	-0.00	1.0000
1241	butanoic_acid_rancidc	3040	5032	-20.6181	14296	109	-0.00	1.0000
1242	butanoic_acid_rancidc	3040	6022	-20.6181	14296	109	-0.00	1.0000
1243	butanoic_acid_rancidc	3040	6028	-12E-15	1.2839	109	-0.00	1.0000
1244	butanoic_acid_rancidc	3042	3046	-55E-17	1.2839	109	-0.00	1.0000
1245	butanoic_acid_rancidc	3042	4034	-20.6181	14296	109	-0.00	1.0000
1246	butanoic_acid_rancidc	3042	4036	-20.6181	14296	109	-0.00	1.0000
1247	butanoic_acid_rancidc	3042	4040	-20.6181	14296	109	-0.00	1.0000
1248	butanoic_acid_rancidc	3042	5026	-20.6181	14296	109	-0.00	1.0000
1249	butanoic_acid_rancidc	3042	5028	-112E-17	1.2839	109	-0.00	1.0000
1250	butanoic_acid_rancidc	3042	5032	-20.6181	14296	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1251	butanoic_acid_rancidc	3042	6022	-20.6181	14296	109	-0.00	1.0000
1252	butanoic_acid_rancidc	3042	6028	-129E-16	1.2839	109	-0.00	1.0000
1253	butanoic_acid_rancidc	3044	4034	-24.5754	14296	109	-0.00	1.0000
1254	butanoic_acid_rancidc	3044	4036	-24.5754	14296	109	-0.00	1.0000
1255	butanoic_acid_rancidc	3044	4038	-444E-18	1.2827	109	-0.00	1.0000
1256	butanoic_acid_rancidc	3044	4040	-24.5754	14296	109	-0.00	1.0000
1257	butanoic_acid_rancidc	3044	5026	-24.5754	14296	109	-0.00	1.0000
1258	butanoic_acid_rancidc	3044	5032	-24.5754	14296	109	-0.00	1.0000
1259	butanoic_acid_rancidc	3044	6022	-24.5754	14296	109	-0.00	1.0000
1260	butanoic_acid_rancidc	3046	4034	-20.6181	14296	109	-0.00	1.0000
1261	butanoic_acid_rancidc	3046	4036	-20.6181	14296	109	-0.00	1.0000
1262	butanoic_acid_rancidc	3046	4040	-20.6181	14296	109	-0.00	1.0000
1263	butanoic_acid_rancidc	3046	5026	-20.6181	14296	109	-0.00	1.0000
1264	butanoic_acid_rancidc	3046	5028	-569E-18	1.2839	109	-0.00	1.0000
1265	butanoic_acid_rancidc	3046	5032	-20.6181	14296	109	-0.00	1.0000
1266	butanoic_acid_rancidc	3046	6022	-20.6181	14296	109	-0.00	1.0000
1267	butanoic_acid_rancidc	3046	6028	-124E-16	1.2839	109	-0.00	1.0000
1268	butanoic_acid_rancidc	4034	4036	3.55E-15	20217	109	0.00	1.0000
1269	butanoic_acid_rancidc	4034	4038	24.5754	14296	109	0.00	1.0000
1270	butanoic_acid_rancidc	4034	4040	1.07E-14	20217	109	0.00	1.0000
1271	butanoic_acid_rancidc	4034	5026	1.07E-14	20217	109	0.00	1.0000
1272	butanoic_acid_rancidc	4034	5028	20.6181	14296	109	0.00	1.0000
1273	butanoic_acid_rancidc	4034	5030	22.5984	14296	109	0.00	1.0000
1274	butanoic_acid_rancidc	4034	5032	0	20217	109	0.00	1.0000
1275	butanoic_acid_rancidc	4034	6022	7.11E-15	20217	109	0.00	1.0000
1276	butanoic_acid_rancidc	4034	6024	21.4771	14296	109	0.00	1.0000
1277	butanoic_acid_rancidc	4034	6026	21.4771	14296	109	0.00	1.0000
1278	butanoic_acid_rancidc	4034	6028	20.6181	14296	109	0.00	1.0000
1279	butanoic_acid_rancidc	4036	4038	24.5754	14296	109	0.00	1.0000
1280	butanoic_acid_rancidc	4036	4040	7.11E-15	20217	109	0.00	1.0000
1281	butanoic_acid_rancidc	4036	5026	7.11E-15	20217	109	0.00	1.0000
1282	butanoic_acid_rancidc	4036	5028	20.6181	14296	109	0.00	1.0000
1283	butanoic_acid_rancidc	4036	5030	22.5984	14296	109	0.00	1.0000
1284	butanoic_acid_rancidc	4036	5032	-355E-17	20217	109	-0.00	1.0000
1285	butanoic_acid_rancidc	4036	6022	3.55E-15	20217	109	0.00	1.0000
1286	butanoic_acid_rancidc	4036	6024	21.4771	14296	109	0.00	1.0000
1287	butanoic_acid_rancidc	4036	6026	21.4771	14296	109	0.00	1.0000
1288	butanoic_acid_rancidc	4036	6028	20.6181	14296	109	0.00	1.0000
1289	butanoic_acid_rancidc	4038	4040	-24.5754	14296	109	-0.00	1.0000
1290	butanoic_acid_rancidc	4038	5026	-24.5754	14296	109	-0.00	1.0000
1291	butanoic_acid_rancidc	4038	5032	-24.5754	14296	109	-0.00	1.0000
1292	butanoic_acid_rancidc	4038	6022	-24.5754	14296	109	-0.00	1.0000
1293	butanoic_acid_rancidc	4040	5026	0	20217	109	0.00	1.0000
1294	butanoic_acid_rancidc	4040	5028	20.6181	14296	109	0.00	1.0000
1295	butanoic_acid_rancidc	4040	5030	22.5984	14296	109	0.00	1.0000
1296	butanoic_acid_rancidc	4040	5032	-107E-16	20217	109	-0.00	1.0000
1297	butanoic_acid_rancidc	4040	6022	-355E-17	20217	109	-0.00	1.0000
1298	butanoic_acid_rancidc	4040	6024	21.4771	14296	109	0.00	1.0000
1299	butanoic_acid_rancidc	4040	6026	21.4771	14296	109	0.00	1.0000
1300	butanoic_acid_rancidc	4040	6028	20.6181	14296	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1301	butanoic_acid_rancidc	5026	5028	20.6181	14296	109	0.00	1.0000
1302	butanoic_acid_rancidc	5026	5030	22.5984	14296	109	0.00	1.0000
1303	butanoic_acid_rancidc	5026	5032	-107E-16	20217	109	-0.00	1.0000
1304	butanoic_acid_rancidc	5026	6022	-355E-17	20217	109	-0.00	1.0000
1305	butanoic_acid_rancidc	5026	6024	21.4771	14296	109	0.00	1.0000
1306	butanoic_acid_rancidc	5026	6026	21.4771	14296	109	0.00	1.0000
1307	butanoic_acid_rancidc	5026	6028	20.6181	14296	109	0.00	1.0000
1308	butanoic_acid_rancidc	5028	5032	-20.6181	14296	109	-0.00	1.0000
1309	butanoic_acid_rancidc	5028	6022	-20.6181	14296	109	-0.00	1.0000
1310	butanoic_acid_rancidc	5028	6028	-118E-16	1.2839	109	-0.00	1.0000
1311	butanoic_acid_rancidc	5030	5032	-22.5984	14296	109	-0.00	1.0000
1312	butanoic_acid_rancidc	5030	6022	-22.5984	14296	109	-0.00	1.0000
1313	butanoic_acid_rancidc	5032	6022	7.11E-15	20217	109	0.00	1.0000
1314	butanoic_acid_rancidc	5032	6024	21.4771	14296	109	0.00	1.0000
1315	butanoic_acid_rancidc	5032	6026	21.4771	14296	109	0.00	1.0000
1316	butanoic_acid_rancidc	5032	6028	20.6181	14296	109	0.00	1.0000
1317	butanoic_acid_rancidc	6022	6024	21.4771	14296	109	0.00	1.0000
1318	butanoic_acid_rancidc	6022	6026	21.4771	14296	109	0.00	1.0000
1319	butanoic_acid_rancidc	6022	6028	20.6181	14296	109	0.00	1.0000
1320	butanoic_acid_rancidc	6024	6026	2.22E-16	0.9840	109	0.00	1.0000
1321	decanal__minty_	3044	6022	4.0093	1.4599	109	2.75	0.3162
1322	decanal__minty_	4038	6022	4.0093	1.4599	109	2.75	0.3162
1323	decanal__minty_	6022	6024	-4.0093	1.4599	109	-2.75	0.3162
1324	decanal__minty_	4040	6022	4.0093	1.4599	109	2.75	0.3162
1325	decanal__minty_	5028	6022	4.0093	1.4599	109	2.75	0.3162
1326	decanal__minty_	3042	6022	3.1450	1.3019	109	2.42	0.5403
1327	decanal__minty_	6022	6028	-3.1450	1.3019	109	-2.42	0.5403
1328	decanal__minty_	4038	5026	3.1399	1.3002	109	2.41	0.5409
1329	decanal__minty_	3044	5026	3.1399	1.3002	109	2.41	0.5409
1330	decanal__minty_	4040	5026	3.1399	1.3002	109	2.41	0.5409
1331	decanal__minty_	5026	5028	-3.1399	1.3002	109	-2.41	0.5409
1332	decanal__minty_	5026	6024	-3.1399	1.3002	109	-2.41	0.5409
1333	decanal__minty_	3042	5026	2.2756	1.1203	109	2.03	0.8023
1334	decanal__minty_	5026	6028	-2.2756	1.1203	109	-2.03	0.8023
1335	decanal__minty_	5032	6022	2.5392	1.2529	109	2.03	0.8049
1336	decanal__minty_	3040	6022	2.0093	1.2393	109	1.62	0.9609
1337	decanal__minty_	3046	6022	2.0093	1.2393	109	1.62	0.9609
1338	decanal__minty_	3046	4038	-2.0000	1.2359	109	-1.62	0.9616
1339	decanal__minty_	3040	4038	-2.0000	1.2359	109	-1.62	0.9616
1340	decanal__minty_	3044	3046	2.0000	1.2359	109	1.62	0.9616
1341	decanal__minty_	3040	3044	-2.0000	1.2359	109	-1.62	0.9616
1342	decanal__minty_	3046	6024	-2.0000	1.2359	109	-1.62	0.9616
1343	decanal__minty_	3040	4040	-2.0000	1.2359	109	-1.62	0.9616
1344	decanal__minty_	3040	5028	-2.0000	1.2359	109	-1.62	0.9616
1345	decanal__minty_	3040	6024	-2.0000	1.2359	109	-1.62	0.9616
1346	decanal__minty_	3046	4040	-2.0000	1.2359	109	-1.62	0.9616
1347	decanal__minty_	3046	5028	-2.0000	1.2359	109	-1.62	0.9616
1348	decanal__minty_	5026	5032	-1.6698	1.0636	109	-1.57	0.9704
1349	decanal__minty_	3044	5032	1.4701	1.2466	109	1.18	0.9983
1350	decanal__minty_	4038	5032	1.4701	1.2466	109	1.18	0.9983

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1351	decanal__minty_	4040	5032	1.4701	1.2466	109	1.18	0.9983
1352	decanal__minty_	5028	5032	1.4701	1.2466	109	1.18	0.9983
1353	decanal__minty_	5032	6024	-1.4701	1.2466	109	-1.18	0.9983
1354	decanal__minty_	3040	5026	1.1399	1.0482	109	1.09	0.9993
1355	decanal__minty_	3046	5026	1.1399	1.0482	109	1.09	0.9993
1356	decanal__minty_	3040	3042	-1.1357	1.0460	109	-1.09	0.9993
1357	decanal__minty_	3040	6028	-1.1357	1.0460	109	-1.09	0.9993
1358	decanal__minty_	3042	3046	1.1357	1.0460	109	1.09	0.9993
1359	decanal__minty_	3046	6028	-1.1357	1.0460	109	-1.09	0.9993
1360	decanal__minty_	5026	6022	0.8694	1.2971	109	0.67	1.0000
1361	decanal__minty_	3042	3044	-0.8643	1.2933	109	-0.67	1.0000
1362	decanal__minty_	3042	4038	-0.8643	1.2933	109	-0.67	1.0000
1363	decanal__minty_	3042	4040	-0.8643	1.2933	109	-0.67	1.0000
1364	decanal__minty_	3042	5028	-0.8643	1.2933	109	-0.67	1.0000
1365	decanal__minty_	3042	6024	-0.8643	1.2933	109	-0.67	1.0000
1366	decanal__minty_	3044	6028	0.8643	1.2933	109	0.67	1.0000
1367	decanal__minty_	4038	6028	0.8643	1.2933	109	0.67	1.0000
1368	decanal__minty_	4040	6028	0.8643	1.2933	109	0.67	1.0000
1369	decanal__minty_	5028	6028	0.8643	1.2933	109	0.67	1.0000
1370	decanal__minty_	6024	6028	0.8643	1.2933	109	0.67	1.0000
1371	decanal__minty_	3042	5032	0.6058	1.0591	109	0.57	1.0000
1372	decanal__minty_	5032	6028	-0.6058	1.0591	109	-0.57	1.0000
1373	decanal__minty_	3040	5032	-0.5299	0.9862	109	-0.54	1.0000
1374	decanal__minty_	3046	5032	-0.5299	0.9862	109	-0.54	1.0000
1375	decanal__minty_	3040	3046	2.22E-16	0.9709	109	0.00	1.0000
1376	decanal__minty_	3040	4034	-22.6108	16025	109	-0.00	1.0000
1377	decanal__minty_	3040	4036	-22.6108	16025	109	-0.00	1.0000
1378	decanal__minty_	3040	5030	-22.6108	16025	109	-0.00	1.0000
1379	decanal__minty_	3040	6026	-22.6108	16025	109	-0.00	1.0000
1380	decanal__minty_	3042	4034	-21.4751	16025	109	-0.00	1.0000
1381	decanal__minty_	3042	4036	-21.4751	16025	109	-0.00	1.0000
1382	decanal__minty_	3042	5030	-21.4751	16025	109	-0.00	1.0000
1383	decanal__minty_	3042	6026	-21.4751	16025	109	-0.00	1.0000
1384	decanal__minty_	3042	6028	7.39E-15	1.1141	109	0.00	1.0000
1385	decanal__minty_	3044	4034	-20.6108	16025	109	-0.00	1.0000
1386	decanal__minty_	3044	4036	-20.6108	16025	109	-0.00	1.0000
1387	decanal__minty_	3044	4038	-444E-18	1.4503	109	-0.00	1.0000
1388	decanal__minty_	3044	4040	1.44E-15	1.4503	109	0.00	1.0000
1389	decanal__minty_	3044	5028	8.88E-16	1.4503	109	0.00	1.0000
1390	decanal__minty_	3044	5030	-20.6108	16025	109	-0.00	1.0000
1391	decanal__minty_	3044	6024	8.88E-16	1.4503	109	0.00	1.0000
1392	decanal__minty_	3044	6026	-20.6108	16025	109	-0.00	1.0000
1393	decanal__minty_	3046	4034	-22.6108	16025	109	-0.00	1.0000
1394	decanal__minty_	3046	4036	-22.6108	16025	109	-0.00	1.0000
1395	decanal__minty_	3046	5030	-22.6108	16025	109	-0.00	1.0000
1396	decanal__minty_	3046	6026	-22.6108	16025	109	-0.00	1.0000
1397	decanal__minty_	4034	4036	1.07E-14	22662	109	0.00	1.0000
1398	decanal__minty_	4034	4038	20.6108	16025	109	0.00	1.0000
1399	decanal__minty_	4034	4040	20.6108	16025	109	0.00	1.0000
1400	decanal__minty_	4034	5026	23.7507	16025	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1401	decanal__minty_	4034	5028	20.6108	16025	109	0.00	1.0000
1402	decanal__minty_	4034	5030	3.91E-14	22662	109	0.00	1.0000
1403	decanal__minty_	4034	5032	22.0809	16025	109	0.00	1.0000
1404	decanal__minty_	4034	6022	24.6201	16025	109	0.00	1.0000
1405	decanal__minty_	4034	6024	20.6108	16025	109	0.00	1.0000
1406	decanal__minty_	4034	6026	1.42E-14	22662	109	0.00	1.0000
1407	decanal__minty_	4034	6028	21.4751	16025	109	0.00	1.0000
1408	decanal__minty_	4036	4038	20.6108	16025	109	0.00	1.0000
1409	decanal__minty_	4036	4040	20.6108	16025	109	0.00	1.0000
1410	decanal__minty_	4036	5026	23.7507	16025	109	0.00	1.0000
1411	decanal__minty_	4036	5028	20.6108	16025	109	0.00	1.0000
1412	decanal__minty_	4036	5030	2.84E-14	22662	109	0.00	1.0000
1413	decanal__minty_	4036	5032	22.0809	16025	109	0.00	1.0000
1414	decanal__minty_	4036	6022	24.6201	16025	109	0.00	1.0000
1415	decanal__minty_	4036	6024	20.6108	16025	109	0.00	1.0000
1416	decanal__minty_	4036	6026	3.55E-15	22662	109	0.00	1.0000
1417	decanal__minty_	4036	6028	21.4751	16025	109	0.00	1.0000
1418	decanal__minty_	4038	4040	1.89E-15	1.4503	109	0.00	1.0000
1419	decanal__minty_	4038	5028	1.33E-15	1.4503	109	0.00	1.0000
1420	decanal__minty_	4038	5030	-20.6108	16025	109	-0.00	1.0000
1421	decanal__minty_	4038	6024	1.33E-15	1.4503	109	0.00	1.0000
1422	decanal__minty_	4038	6026	-20.6108	16025	109	-0.00	1.0000
1423	decanal__minty_	4040	5028	-555E-18	1.4503	109	-0.00	1.0000
1424	decanal__minty_	4040	5030	-20.6108	16025	109	-0.00	1.0000
1425	decanal__minty_	4040	6024	-555E-18	1.4503	109	-0.00	1.0000
1426	decanal__minty_	4040	6026	-20.6108	16025	109	-0.00	1.0000
1427	decanal__minty_	5026	5030	-23.7507	16025	109	-0.00	1.0000
1428	decanal__minty_	5026	6026	-23.7507	16025	109	-0.00	1.0000
1429	decanal__minty_	5028	5030	-20.6108	16025	109	-0.00	1.0000
1430	decanal__minty_	5028	6024	0	1.4503	109	0.00	1.0000
1431	decanal__minty_	5028	6026	-20.6108	16025	109	-0.00	1.0000
1432	decanal__minty_	5030	5032	22.0809	16025	109	0.00	1.0000
1433	decanal__minty_	5030	6022	24.6201	16025	109	0.00	1.0000
1434	decanal__minty_	5030	6024	20.6108	16025	109	0.00	1.0000
1435	decanal__minty_	5030	6026	-249E-16	22662	109	-0.00	1.0000
1436	decanal__minty_	5030	6028	21.4751	16025	109	0.00	1.0000
1437	decanal__minty_	5032	6026	-22.0809	16025	109	-0.00	1.0000
1438	decanal__minty_	6022	6026	-24.6201	16025	109	-0.00	1.0000
1439	decanal__minty_	6024	6026	-20.6108	16025	109	-0.00	1.0000
1440	decanal__minty_	6026	6028	21.4751	16025	109	0.00	1.0000
1441	__propanol__alcohol_	3044	6024	2.7190	1.0068	109	2.70	0.3440
1442	__propanol__alcohol_	5030	6024	2.7190	1.0068	109	2.70	0.3440
1443	__propanol__alcohol_	5032	6024	2.7190	1.0068	109	2.70	0.3440
1444	__propanol__alcohol_	5030	6022	2.1316	0.9887	109	2.16	0.7248
1445	__propanol__alcohol_	5032	6022	2.1316	0.9887	109	2.16	0.7248
1446	__propanol__alcohol_	3044	6022	2.1316	0.9887	109	2.16	0.7248
1447	__propanol__alcohol_	5028	6024	1.8170	0.8650	109	2.10	0.7606
1448	__propanol__alcohol_	6024	6026	-1.8170	0.8650	109	-2.10	0.7606
1449	__propanol__alcohol_	5030	6028	1.5516	0.9918	109	1.56	0.9713
1450	__propanol__alcohol_	3044	6028	1.5516	0.9918	109	1.56	0.9713

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1451	__propanol__alcohol_	5032	6028	1.5516	0.9918	109	1.56	0.9713
1452	__propanol__alcohol_	5028	6022	1.2296	0.8456	109	1.45	0.9853
1453	__propanol__alcohol_	6022	6026	-1.2296	0.8456	109	-1.45	0.9853
1454	__propanol__alcohol_	6024	6028	-1.1674	0.8192	109	-1.43	0.9878
1455	__propanol__alcohol_	3044	5028	0.9020	1.0240	109	0.88	0.9999
1456	__propanol__alcohol_	3044	6026	0.9020	1.0240	109	0.88	0.9999
1457	__propanol__alcohol_	5028	5030	-0.9020	1.0240	109	-0.88	0.9999
1458	__propanol__alcohol_	5028	5032	-0.9020	1.0240	109	-0.88	0.9999
1459	__propanol__alcohol_	5030	6026	0.9020	1.0240	109	0.88	0.9999
1460	__propanol__alcohol_	5032	6026	0.9020	1.0240	109	0.88	0.9999
1461	__propanol__alcohol_	5028	6028	0.6496	0.8508	109	0.76	1.0000
1462	__propanol__alcohol_	6026	6028	0.6496	0.8508	109	0.76	1.0000
1463	__propanol__alcohol_	6022	6024	0.5874	0.8064	109	0.73	1.0000
1464	__propanol__alcohol_	6022	6028	-0.5801	0.8010	109	-0.72	1.0000
1465	__propanol__alcohol_	3040	3042	3.55E-15	17210	109	0.00	1.0000
1466	__propanol__alcohol_	3040	3044	20.6006	12170	109	0.00	1.0000
1467	__propanol__alcohol_	3040	3046	7.11E-15	17210	109	0.00	1.0000
1468	__propanol__alcohol_	3040	4034	3.55E-15	17210	109	0.00	1.0000
1469	__propanol__alcohol_	3040	4036	0	17210	109	0.00	1.0000
1470	__propanol__alcohol_	3040	4038	3.55E-15	17210	109	0.00	1.0000
1471	__propanol__alcohol_	3040	4040	3.55E-15	17210	109	0.00	1.0000
1472	__propanol__alcohol_	3040	5026	3.55E-15	17210	109	0.00	1.0000
1473	__propanol__alcohol_	3040	5028	21.5026	12170	109	0.00	1.0000
1474	__propanol__alcohol_	3040	5030	20.6006	12170	109	0.00	1.0000
1475	__propanol__alcohol_	3040	5032	20.6006	12170	109	0.00	1.0000
1476	__propanol__alcohol_	3040	6022	22.7322	12170	109	0.00	1.0000
1477	__propanol__alcohol_	3040	6024	23.3196	12170	109	0.00	1.0000
1478	__propanol__alcohol_	3040	6026	21.5026	12170	109	0.00	1.0000
1479	__propanol__alcohol_	3040	6028	22.1522	12170	109	0.00	1.0000
1480	__propanol__alcohol_	3042	3044	20.6006	12170	109	0.00	1.0000
1481	__propanol__alcohol_	3042	3046	3.55E-15	17210	109	0.00	1.0000
1482	__propanol__alcohol_	3042	4034	0	17210	109	0.00	1.0000
1483	__propanol__alcohol_	3042	4036	-355E-17	17210	109	-0.00	1.0000
1484	__propanol__alcohol_	3042	4038	0	17210	109	0.00	1.0000
1485	__propanol__alcohol_	3042	4040	0	17210	109	0.00	1.0000
1486	__propanol__alcohol_	3042	5026	0	17210	109	0.00	1.0000
1487	__propanol__alcohol_	3042	5028	21.5026	12170	109	0.00	1.0000
1488	__propanol__alcohol_	3042	5030	20.6006	12170	109	0.00	1.0000
1489	__propanol__alcohol_	3042	5032	20.6006	12170	109	0.00	1.0000
1490	__propanol__alcohol_	3042	6022	22.7322	12170	109	0.00	1.0000
1491	__propanol__alcohol_	3042	6024	23.3196	12170	109	0.00	1.0000
1492	__propanol__alcohol_	3042	6026	21.5026	12170	109	0.00	1.0000
1493	__propanol__alcohol_	3042	6028	22.1522	12170	109	0.00	1.0000
1494	__propanol__alcohol_	3044	3046	-20.6006	12170	109	-0.00	1.0000
1495	__propanol__alcohol_	3044	4034	-20.6006	12170	109	-0.00	1.0000
1496	__propanol__alcohol_	3044	4036	-20.6006	12170	109	-0.00	1.0000
1497	__propanol__alcohol_	3044	4038	-20.6006	12170	109	-0.00	1.0000
1498	__propanol__alcohol_	3044	4040	-20.6006	12170	109	-0.00	1.0000
1499	__propanol__alcohol_	3044	5026	-20.6006	12170	109	-0.00	1.0000
1500	__propanol__alcohol_	3044	5030	-666E-18	1.1418	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1501	__propanol__alcohol_	3044	5032	-444E-18	1.1418	109	-0.00	1.0000
1502	__propanol__alcohol_	3046	4034	-355E-17	17210	109	-0.00	1.0000
1503	__propanol__alcohol_	3046	4036	-711E-17	17210	109	-0.00	1.0000
1504	__propanol__alcohol_	3046	4038	-355E-17	17210	109	-0.00	1.0000
1505	__propanol__alcohol_	3046	4040	-355E-17	17210	109	-0.00	1.0000
1506	__propanol__alcohol_	3046	5026	-355E-17	17210	109	-0.00	1.0000
1507	__propanol__alcohol_	3046	5028	21.5026	12170	109	0.00	1.0000
1508	__propanol__alcohol_	3046	5030	20.6006	12170	109	0.00	1.0000
1509	__propanol__alcohol_	3046	5032	20.6006	12170	109	0.00	1.0000
1510	__propanol__alcohol_	3046	6022	22.7322	12170	109	0.00	1.0000
1511	__propanol__alcohol_	3046	6024	23.3196	12170	109	0.00	1.0000
1512	__propanol__alcohol_	3046	6026	21.5026	12170	109	0.00	1.0000
1513	__propanol__alcohol_	3046	6028	22.1522	12170	109	0.00	1.0000
1514	__propanol__alcohol_	4034	4036	-355E-17	17210	109	-0.00	1.0000
1515	__propanol__alcohol_	4034	4038	0	17210	109	0.00	1.0000
1516	__propanol__alcohol_	4034	4040	0	17210	109	0.00	1.0000
1517	__propanol__alcohol_	4034	5026	0	17210	109	0.00	1.0000
1518	__propanol__alcohol_	4034	5028	21.5026	12170	109	0.00	1.0000
1519	__propanol__alcohol_	4034	5030	20.6006	12170	109	0.00	1.0000
1520	__propanol__alcohol_	4034	5032	20.6006	12170	109	0.00	1.0000
1521	__propanol__alcohol_	4034	6022	22.7322	12170	109	0.00	1.0000
1522	__propanol__alcohol_	4034	6024	23.3196	12170	109	0.00	1.0000
1523	__propanol__alcohol_	4034	6026	21.5026	12170	109	0.00	1.0000
1524	__propanol__alcohol_	4034	6028	22.1522	12170	109	0.00	1.0000
1525	__propanol__alcohol_	4036	4038	3.55E-15	17210	109	0.00	1.0000
1526	__propanol__alcohol_	4036	4040	3.55E-15	17210	109	0.00	1.0000
1527	__propanol__alcohol_	4036	5026	3.55E-15	17210	109	0.00	1.0000
1528	__propanol__alcohol_	4036	5028	21.5026	12170	109	0.00	1.0000
1529	__propanol__alcohol_	4036	5030	20.6006	12170	109	0.00	1.0000
1530	__propanol__alcohol_	4036	5032	20.6006	12170	109	0.00	1.0000
1531	__propanol__alcohol_	4036	6022	22.7322	12170	109	0.00	1.0000
1532	__propanol__alcohol_	4036	6024	23.3196	12170	109	0.00	1.0000
1533	__propanol__alcohol_	4036	6026	21.5026	12170	109	0.00	1.0000
1534	__propanol__alcohol_	4036	6028	22.1522	12170	109	0.00	1.0000
1535	__propanol__alcohol_	4038	4040	0	17210	109	0.00	1.0000
1536	__propanol__alcohol_	4038	5026	0	17210	109	0.00	1.0000
1537	__propanol__alcohol_	4038	5028	21.5026	12170	109	0.00	1.0000
1538	__propanol__alcohol_	4038	5030	20.6006	12170	109	0.00	1.0000
1539	__propanol__alcohol_	4038	5032	20.6006	12170	109	0.00	1.0000
1540	__propanol__alcohol_	4038	6022	22.7322	12170	109	0.00	1.0000
1541	__propanol__alcohol_	4038	6024	23.3196	12170	109	0.00	1.0000
1542	__propanol__alcohol_	4038	6026	21.5026	12170	109	0.00	1.0000
1543	__propanol__alcohol_	4038	6028	22.1522	12170	109	0.00	1.0000
1544	__propanol__alcohol_	4040	5026	0	17210	109	0.00	1.0000
1545	__propanol__alcohol_	4040	5028	21.5026	12170	109	0.00	1.0000
1546	__propanol__alcohol_	4040	5030	20.6006	12170	109	0.00	1.0000
1547	__propanol__alcohol_	4040	5032	20.6006	12170	109	0.00	1.0000
1548	__propanol__alcohol_	4040	6022	22.7322	12170	109	0.00	1.0000
1549	__propanol__alcohol_	4040	6024	23.3196	12170	109	0.00	1.0000
1550	__propanol__alcohol_	4040	6026	21.5026	12170	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1551	__propanol__alcohol_	4040	6028	22.1522	12170	109	0.00	1.0000
1552	__propanol__alcohol_	5026	5028	21.5026	12170	109	0.00	1.0000
1553	__propanol__alcohol_	5026	5030	20.6006	12170	109	0.00	1.0000
1554	__propanol__alcohol_	5026	5032	20.6006	12170	109	0.00	1.0000
1555	__propanol__alcohol_	5026	6022	22.7322	12170	109	0.00	1.0000
1556	__propanol__alcohol_	5026	6024	23.3196	12170	109	0.00	1.0000
1557	__propanol__alcohol_	5026	6026	21.5026	12170	109	0.00	1.0000
1558	__propanol__alcohol_	5026	6028	22.1522	12170	109	0.00	1.0000
1559	__propanol__alcohol_	5028	6026	3.33E-16	0.8895	109	0.00	1.0000
1560	__propanol__alcohol_	5030	5032	2.22E-16	1.1418	109	0.00	1.0000
1561	__4_heptadienal__frie	3040	6024	-4.2862	1.7288	109	-2.48	0.4943
1562	__4_heptadienal__frie	3042	6024	-4.2862	1.7288	109	-2.48	0.4943
1563	__4_heptadienal__frie	4036	6024	-4.2862	1.7288	109	-2.48	0.4943
1564	__4_heptadienal__frie	4040	6024	-4.2862	1.7288	109	-2.48	0.4943
1565	__4_heptadienal__frie	5030	6024	-4.2862	1.7288	109	-2.48	0.4943
1566	__4_heptadienal__frie	3044	6024	-3.3830	1.5500	109	-2.18	0.7069
1567	__4_heptadienal__frie	5026	6024	-3.3830	1.5500	109	-2.18	0.7069
1568	__4_heptadienal__frie	5032	6024	-3.3830	1.5500	109	-2.18	0.7069
1569	__4_heptadienal__frie	3040	5028	-3.3700	1.5452	109	-2.18	0.7081
1570	__4_heptadienal__frie	3042	5028	-3.3700	1.5452	109	-2.18	0.7081
1571	__4_heptadienal__frie	5028	5030	3.3700	1.5452	109	2.18	0.7081
1572	__4_heptadienal__frie	4036	5028	-3.3700	1.5452	109	-2.18	0.7081
1573	__4_heptadienal__frie	4040	5028	-3.3700	1.5452	109	-2.18	0.7081
1574	__4_heptadienal__frie	3044	5028	-2.4668	1.3435	109	-1.84	0.8974
1575	__4_heptadienal__frie	5026	5028	-2.4668	1.3435	109	-1.84	0.8974
1576	__4_heptadienal__frie	5028	5032	2.4668	1.3435	109	1.84	0.8974
1577	__4_heptadienal__frie	6024	6026	2.7332	1.4919	109	1.83	0.8991
1578	__4_heptadienal__frie	6022	6024	-2.1554	1.4727	109	-1.46	0.9843
1579	__4_heptadienal__frie	6024	6028	2.1554	1.4727	109	1.46	0.9843
1580	__4_heptadienal__frie	3040	6022	-2.1307	1.4626	109	-1.46	0.9850
1581	__4_heptadienal__frie	3042	6022	-2.1307	1.4626	109	-1.46	0.9850
1582	__4_heptadienal__frie	4040	6022	-2.1307	1.4626	109	-1.46	0.9850
1583	__4_heptadienal__frie	3040	6028	-2.1307	1.4626	109	-1.46	0.9850
1584	__4_heptadienal__frie	3042	6028	-2.1307	1.4626	109	-1.46	0.9850
1585	__4_heptadienal__frie	4036	6022	-2.1307	1.4626	109	-1.46	0.9850
1586	__4_heptadienal__frie	4036	6028	-2.1307	1.4626	109	-1.46	0.9850
1587	__4_heptadienal__frie	4040	6028	-2.1307	1.4626	109	-1.46	0.9850
1588	__4_heptadienal__frie	5030	6022	-2.1307	1.4626	109	-1.46	0.9850
1589	__4_heptadienal__frie	5030	6028	-2.1307	1.4626	109	-1.46	0.9850
1590	__4_heptadienal__frie	5028	6026	1.8171	1.2779	109	1.42	0.9881
1591	__4_heptadienal__frie	3040	6026	-1.5529	1.4702	109	-1.06	0.9995
1592	__4_heptadienal__frie	3042	6026	-1.5529	1.4702	109	-1.06	0.9995
1593	__4_heptadienal__frie	4036	6026	-1.5529	1.4702	109	-1.06	0.9995
1594	__4_heptadienal__frie	4040	6026	-1.5529	1.4702	109	-1.06	0.9995
1595	__4_heptadienal__frie	5030	6026	-1.5529	1.4702	109	-1.06	0.9995
1596	__4_heptadienal__frie	5028	6022	1.2393	1.2579	109	0.99	0.9998
1597	__4_heptadienal__frie	5028	6028	1.2393	1.2579	109	0.99	0.9998
1598	__4_heptadienal__frie	3044	6022	-1.2276	1.2510	109	-0.98	0.9998
1599	__4_heptadienal__frie	3044	6028	-1.2276	1.2510	109	-0.98	0.9998
1600	__4_heptadienal__frie	5026	6022	-1.2276	1.2510	109	-0.98	0.9998

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1601	__4_heptadienal__frie	5026	6028	-1.2276	1.2510	109	-0.98	0.9998
1602	__4_heptadienal__frie	5032	6022	-1.2276	1.2510	109	-0.98	0.9998
1603	__4_heptadienal__frie	5032	6028	-1.2276	1.2510	109	-0.98	0.9998
1604	__4_heptadienal__frie	5028	6024	-0.9162	1.5302	109	-0.60	1.0000
1605	__4_heptadienal__frie	3040	3044	-0.9032	1.5193	109	-0.59	1.0000
1606	__4_heptadienal__frie	3040	5026	-0.9032	1.5193	109	-0.59	1.0000
1607	__4_heptadienal__frie	3040	5032	-0.9032	1.5193	109	-0.59	1.0000
1608	__4_heptadienal__frie	3042	3044	-0.9032	1.5193	109	-0.59	1.0000
1609	__4_heptadienal__frie	3042	5026	-0.9032	1.5193	109	-0.59	1.0000
1610	__4_heptadienal__frie	3042	5032	-0.9032	1.5193	109	-0.59	1.0000
1611	__4_heptadienal__frie	3044	4036	0.9032	1.5193	109	0.59	1.0000
1612	__4_heptadienal__frie	3044	4040	0.9032	1.5193	109	0.59	1.0000
1613	__4_heptadienal__frie	3044	5030	0.9032	1.5193	109	0.59	1.0000
1614	__4_heptadienal__frie	4036	5026	-0.9032	1.5193	109	-0.59	1.0000
1615	__4_heptadienal__frie	4036	5032	-0.9032	1.5193	109	-0.59	1.0000
1616	__4_heptadienal__frie	4040	5026	-0.9032	1.5193	109	-0.59	1.0000
1617	__4_heptadienal__frie	4040	5032	-0.9032	1.5193	109	-0.59	1.0000
1618	__4_heptadienal__frie	5026	5030	0.9032	1.5193	109	0.59	1.0000
1619	__4_heptadienal__frie	5030	5032	-0.9032	1.5193	109	-0.59	1.0000
1620	__4_heptadienal__frie	3044	6026	-0.6498	1.2616	109	-0.52	1.0000
1621	__4_heptadienal__frie	5026	6026	-0.6498	1.2616	109	-0.52	1.0000
1622	__4_heptadienal__frie	5032	6026	-0.6498	1.2616	109	-0.52	1.0000
1623	__4_heptadienal__frie	6022	6026	0.5778	1.1849	109	0.49	1.0000
1624	__4_heptadienal__frie	6026	6028	-0.5778	1.1849	109	-0.49	1.0000
1625	__4_heptadienal__frie	3040	3042	-444E-18	1.6943	109	-0.00	1.0000
1626	__4_heptadienal__frie	3040	3046	20.5858	17905	109	0.00	1.0000
1627	__4_heptadienal__frie	3040	4034	20.5858	17905	109	0.00	1.0000
1628	__4_heptadienal__frie	3040	4036	-444E-18	1.6943	109	-0.00	1.0000
1629	__4_heptadienal__frie	3040	4038	20.5858	17905	109	0.00	1.0000
1630	__4_heptadienal__frie	3040	4040	0	1.6943	109	0.00	1.0000
1631	__4_heptadienal__frie	3040	5030	-444E-18	1.6943	109	-0.00	1.0000
1632	__4_heptadienal__frie	3042	3046	20.5858	17905	109	0.00	1.0000
1633	__4_heptadienal__frie	3042	4034	20.5858	17905	109	0.00	1.0000
1634	__4_heptadienal__frie	3042	4036	0	1.6943	109	0.00	1.0000
1635	__4_heptadienal__frie	3042	4038	20.5858	17905	109	0.00	1.0000
1636	__4_heptadienal__frie	3042	4040	4.44E-16	1.6943	109	0.00	1.0000
1637	__4_heptadienal__frie	3042	5030	0	1.6943	109	0.00	1.0000
1638	__4_heptadienal__frie	3044	3046	21.4890	17905	109	0.00	1.0000
1639	__4_heptadienal__frie	3044	4034	21.4890	17905	109	0.00	1.0000
1640	__4_heptadienal__frie	3044	4038	21.4890	17905	109	0.00	1.0000
1641	__4_heptadienal__frie	3044	5026	4.44E-16	1.3201	109	0.00	1.0000
1642	__4_heptadienal__frie	3044	5032	0	1.3201	109	0.00	1.0000
1643	__4_heptadienal__frie	3046	4034	0	25321	109	0.00	1.0000
1644	__4_heptadienal__frie	3046	4036	-20.5858	17905	109	-0.00	1.0000
1645	__4_heptadienal__frie	3046	4038	-284E-16	25321	109	-0.00	1.0000
1646	__4_heptadienal__frie	3046	4040	-20.5858	17905	109	-0.00	1.0000
1647	__4_heptadienal__frie	3046	5026	-21.4890	17905	109	-0.00	1.0000
1648	__4_heptadienal__frie	3046	5028	-23.9558	17905	109	-0.00	1.0000
1649	__4_heptadienal__frie	3046	5030	-20.5858	17905	109	-0.00	1.0000
1650	__4_heptadienal__frie	3046	5032	-21.4890	17905	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1651	__4_heptadienal__frie	3046	6022	-22.7166	17905	109	-0.00	1.0000
1652	__4_heptadienal__frie	3046	6024	-24.8720	17905	109	-0.00	1.0000
1653	__4_heptadienal__frie	3046	6026	-22.1388	17905	109	-0.00	1.0000
1654	__4_heptadienal__frie	3046	6028	-22.7166	17905	109	-0.00	1.0000
1655	__4_heptadienal__frie	4034	4036	-20.5858	17905	109	-0.00	1.0000
1656	__4_heptadienal__frie	4034	4038	-284E-16	25321	109	-0.00	1.0000
1657	__4_heptadienal__frie	4034	4040	-20.5858	17905	109	-0.00	1.0000
1658	__4_heptadienal__frie	4034	5026	-21.4890	17905	109	-0.00	1.0000
1659	__4_heptadienal__frie	4034	5028	-23.9558	17905	109	-0.00	1.0000
1660	__4_heptadienal__frie	4034	5030	-20.5858	17905	109	-0.00	1.0000
1661	__4_heptadienal__frie	4034	5032	-21.4890	17905	109	-0.00	1.0000
1662	__4_heptadienal__frie	4034	6022	-22.7166	17905	109	-0.00	1.0000
1663	__4_heptadienal__frie	4034	6024	-24.8720	17905	109	-0.00	1.0000
1664	__4_heptadienal__frie	4034	6026	-22.1388	17905	109	-0.00	1.0000
1665	__4_heptadienal__frie	4034	6028	-22.7166	17905	109	-0.00	1.0000
1666	__4_heptadienal__frie	4036	4038	20.5858	17905	109	0.00	1.0000
1667	__4_heptadienal__frie	4036	4040	4.44E-16	1.6943	109	0.00	1.0000
1668	__4_heptadienal__frie	4036	5030	0	1.6943	109	0.00	1.0000
1669	__4_heptadienal__frie	4038	4040	-20.5858	17905	109	-0.00	1.0000
1670	__4_heptadienal__frie	4038	5026	-21.4890	17905	109	-0.00	1.0000
1671	__4_heptadienal__frie	4038	5028	-23.9558	17905	109	-0.00	1.0000
1672	__4_heptadienal__frie	4038	5030	-20.5858	17905	109	-0.00	1.0000
1673	__4_heptadienal__frie	4038	5032	-21.4890	17905	109	-0.00	1.0000
1674	__4_heptadienal__frie	4038	6022	-22.7166	17905	109	-0.00	1.0000
1675	__4_heptadienal__frie	4038	6024	-24.8720	17905	109	-0.00	1.0000
1676	__4_heptadienal__frie	4038	6026	-22.1388	17905	109	-0.00	1.0000
1677	__4_heptadienal__frie	4038	6028	-22.7166	17905	109	-0.00	1.0000
1678	__4_heptadienal__frie	4040	5030	-444E-18	1.6943	109	-0.00	1.0000
1679	__4_heptadienal__frie	5026	5032	-444E-18	1.3201	109	-0.00	1.0000
1680	__4_heptadienal__frie	6022	6028	2.53E-16	1.1688	109	0.00	1.0000
1681	ethanol__sweet_	5030	6028	4.7620	1.8071	109	2.64	0.3862
1682	ethanol__sweet_	6026	6028	4.7620	1.8071	109	2.64	0.3862
1683	ethanol__sweet_	3046	5030	-4.7620	1.8071	109	-2.64	0.3862
1684	ethanol__sweet_	3046	6026	-4.7620	1.8071	109	-2.64	0.3862
1685	ethanol__sweet_	4040	5030	-3.3774	1.7805	109	-1.90	0.8717
1686	ethanol__sweet_	3040	5030	-3.3774	1.7805	109	-1.90	0.8717
1687	ethanol__sweet_	3044	5030	-3.3774	1.7805	109	-1.90	0.8717
1688	ethanol__sweet_	4034	5030	-3.3774	1.7805	109	-1.90	0.8717
1689	ethanol__sweet_	4038	5030	-3.3774	1.7805	109	-1.90	0.8717
1690	ethanol__sweet_	3044	6026	-3.3774	1.7805	109	-1.90	0.8717
1691	ethanol__sweet_	4034	6026	-3.3774	1.7805	109	-1.90	0.8717
1692	ethanol__sweet_	4038	6026	-3.3774	1.7805	109	-1.90	0.8717
1693	ethanol__sweet_	4040	6026	-3.3774	1.7805	109	-1.90	0.8717
1694	ethanol__sweet_	3040	6026	-3.3774	1.7805	109	-1.90	0.8717
1695	ethanol__sweet_	3042	5030	-3.3774	1.7805	109	-1.90	0.8717
1696	ethanol__sweet_	3042	6026	-3.3774	1.7805	109	-1.90	0.8717
1697	ethanol__sweet_	5032	6028	2.6840	1.7045	109	1.57	0.9696
1698	ethanol__sweet_	6022	6028	2.6840	1.7045	109	1.57	0.9696
1699	ethanol__sweet_	6024	6028	2.6840	1.7045	109	1.57	0.9696
1700	ethanol__sweet_	4036	6028	2.6840	1.7045	109	1.57	0.9696

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1701	ethanol__sweet_	3046	5032	-2.6840	1.7045	109	-1.57	0.9696
1702	ethanol__sweet_	3046	4036	-2.6840	1.7045	109	-1.57	0.9696
1703	ethanol__sweet_	3046	6022	-2.6840	1.7045	109	-1.57	0.9696
1704	ethanol__sweet_	3046	6024	-2.6840	1.7045	109	-1.57	0.9696
1705	ethanol__sweet_	4036	5030	-2.0780	1.6180	109	-1.28	0.9957
1706	ethanol__sweet_	4036	6026	-2.0780	1.6180	109	-1.28	0.9957
1707	ethanol__sweet_	5030	5032	2.0780	1.6180	109	1.28	0.9957
1708	ethanol__sweet_	5030	6022	2.0780	1.6180	109	1.28	0.9957
1709	ethanol__sweet_	5030	6024	2.0780	1.6180	109	1.28	0.9957
1710	ethanol__sweet_	5032	6026	-2.0780	1.6180	109	-1.28	0.9957
1711	ethanol__sweet_	6022	6026	-2.0780	1.6180	109	-1.28	0.9957
1712	ethanol__sweet_	6024	6026	-2.0780	1.6180	109	-1.28	0.9957
1713	ethanol__sweet_	3040	3046	1.3847	1.7420	109	0.79	1.0000
1714	ethanol__sweet_	3040	6028	1.3847	1.7420	109	0.79	1.0000
1715	ethanol__sweet_	3042	3046	1.3847	1.7420	109	0.79	1.0000
1716	ethanol__sweet_	3042	6028	1.3847	1.7420	109	0.79	1.0000
1717	ethanol__sweet_	3044	3046	1.3847	1.7420	109	0.79	1.0000
1718	ethanol__sweet_	3044	6028	1.3847	1.7420	109	0.79	1.0000
1719	ethanol__sweet_	3046	4034	-1.3847	1.7420	109	-0.79	1.0000
1720	ethanol__sweet_	3046	4038	-1.3847	1.7420	109	-0.79	1.0000
1721	ethanol__sweet_	3046	4040	-1.3847	1.7420	109	-0.79	1.0000
1722	ethanol__sweet_	4034	6028	1.3847	1.7420	109	0.79	1.0000
1723	ethanol__sweet_	4038	6028	1.3847	1.7420	109	0.79	1.0000
1724	ethanol__sweet_	4040	6028	1.3847	1.7420	109	0.79	1.0000
1725	ethanol__sweet_	3040	4036	-1.2993	1.6916	109	-0.77	1.0000
1726	ethanol__sweet_	3040	5032	-1.2993	1.6916	109	-0.77	1.0000
1727	ethanol__sweet_	3040	6022	-1.2993	1.6916	109	-0.77	1.0000
1728	ethanol__sweet_	3040	6024	-1.2993	1.6916	109	-0.77	1.0000
1729	ethanol__sweet_	3042	4036	-1.2993	1.6916	109	-0.77	1.0000
1730	ethanol__sweet_	3042	5032	-1.2993	1.6916	109	-0.77	1.0000
1731	ethanol__sweet_	3042	6022	-1.2993	1.6916	109	-0.77	1.0000
1732	ethanol__sweet_	3042	6024	-1.2993	1.6916	109	-0.77	1.0000
1733	ethanol__sweet_	3044	4036	-1.2993	1.6916	109	-0.77	1.0000
1734	ethanol__sweet_	3044	5032	-1.2993	1.6916	109	-0.77	1.0000
1735	ethanol__sweet_	3044	6022	-1.2993	1.6916	109	-0.77	1.0000
1736	ethanol__sweet_	3044	6024	-1.2993	1.6916	109	-0.77	1.0000
1737	ethanol__sweet_	4034	4036	-1.2993	1.6916	109	-0.77	1.0000
1738	ethanol__sweet_	4034	5032	-1.2993	1.6916	109	-0.77	1.0000
1739	ethanol__sweet_	4034	6022	-1.2993	1.6916	109	-0.77	1.0000
1740	ethanol__sweet_	4034	6024	-1.2993	1.6916	109	-0.77	1.0000
1741	ethanol__sweet_	4036	4038	1.2993	1.6916	109	0.77	1.0000
1742	ethanol__sweet_	4036	4040	1.2993	1.6916	109	0.77	1.0000
1743	ethanol__sweet_	4038	5032	-1.2993	1.6916	109	-0.77	1.0000
1744	ethanol__sweet_	4038	6022	-1.2993	1.6916	109	-0.77	1.0000
1745	ethanol__sweet_	4038	6024	-1.2993	1.6916	109	-0.77	1.0000
1746	ethanol__sweet_	4040	5032	-1.2993	1.6916	109	-0.77	1.0000
1747	ethanol__sweet_	4040	6022	-1.2993	1.6916	109	-0.77	1.0000
1748	ethanol__sweet_	4040	6024	-1.2993	1.6916	109	-0.77	1.0000
1749	ethanol__sweet_	3040	3042	-888E-18	1.7835	109	-0.00	1.0000
1750	ethanol__sweet_	3040	3044	0	1.7835	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1751	ethanol__sweet_	3040	4034	0	1.7835	109	0.00	1.0000
1752	ethanol__sweet_	3040	4038	-222E-18	1.7835	109	-0.00	1.0000
1753	ethanol__sweet_	3040	4040	2.22E-16	1.7835	109	0.00	1.0000
1754	ethanol__sweet_	3040	5026	-23.6411	13726	109	-0.00	1.0000
1755	ethanol__sweet_	3040	5028	-23.6411	13726	109	-0.00	1.0000
1756	ethanol__sweet_	3042	3044	8.88E-16	1.7835	109	0.00	1.0000
1757	ethanol__sweet_	3042	4034	8.88E-16	1.7835	109	0.00	1.0000
1758	ethanol__sweet_	3042	4038	6.66E-16	1.7835	109	0.00	1.0000
1759	ethanol__sweet_	3042	4040	1.11E-15	1.7835	109	0.00	1.0000
1760	ethanol__sweet_	3042	5026	-23.6411	13726	109	-0.00	1.0000
1761	ethanol__sweet_	3042	5028	-23.6411	13726	109	-0.00	1.0000
1762	ethanol__sweet_	3044	4034	0	1.7835	109	0.00	1.0000
1763	ethanol__sweet_	3044	4038	-222E-18	1.7835	109	-0.00	1.0000
1764	ethanol__sweet_	3044	4040	2.22E-16	1.7835	109	0.00	1.0000
1765	ethanol__sweet_	3044	5026	-23.6411	13726	109	-0.00	1.0000
1766	ethanol__sweet_	3044	5028	-23.6411	13726	109	-0.00	1.0000
1767	ethanol__sweet_	3046	5026	-25.0257	13726	109	-0.00	1.0000
1768	ethanol__sweet_	3046	5028	-25.0257	13726	109	-0.00	1.0000
1769	ethanol__sweet_	3046	6028	8.37E-15	1.6316	109	0.00	1.0000
1770	ethanol__sweet_	4034	4038	-222E-18	1.7835	109	-0.00	1.0000
1771	ethanol__sweet_	4034	4040	2.22E-16	1.7835	109	0.00	1.0000
1772	ethanol__sweet_	4034	5026	-23.6411	13726	109	-0.00	1.0000
1773	ethanol__sweet_	4034	5028	-23.6411	13726	109	-0.00	1.0000
1774	ethanol__sweet_	4036	5026	-22.3418	13726	109	-0.00	1.0000
1775	ethanol__sweet_	4036	5028	-22.3418	13726	109	-0.00	1.0000
1776	ethanol__sweet_	4036	5032	-888E-18	1.5366	109	-0.00	1.0000
1777	ethanol__sweet_	4036	6022	0	1.5366	109	0.00	1.0000
1778	ethanol__sweet_	4036	6024	0	1.5366	109	0.00	1.0000
1779	ethanol__sweet_	4038	4040	4.44E-16	1.7835	109	0.00	1.0000
1780	ethanol__sweet_	4038	5026	-23.6411	13726	109	-0.00	1.0000
1781	ethanol__sweet_	4038	5028	-23.6411	13726	109	-0.00	1.0000
1782	ethanol__sweet_	4040	5026	-23.6411	13726	109	-0.00	1.0000
1783	ethanol__sweet_	4040	5028	-23.6411	13726	109	-0.00	1.0000
1784	ethanol__sweet_	5026	5028	1.42E-14	19411	109	0.00	1.0000
1785	ethanol__sweet_	5026	5030	20.2637	13726	109	0.00	1.0000
1786	ethanol__sweet_	5026	5032	22.3418	13726	109	0.00	1.0000
1787	ethanol__sweet_	5026	6022	22.3418	13726	109	0.00	1.0000
1788	ethanol__sweet_	5026	6024	22.3418	13726	109	0.00	1.0000
1789	ethanol__sweet_	5026	6026	20.2637	13726	109	0.00	1.0000
1790	ethanol__sweet_	5026	6028	25.0257	13726	109	0.00	1.0000
1791	ethanol__sweet_	5028	5030	20.2637	13726	109	0.00	1.0000
1792	ethanol__sweet_	5028	5032	22.3418	13726	109	0.00	1.0000
1793	ethanol__sweet_	5028	6022	22.3418	13726	109	0.00	1.0000
1794	ethanol__sweet_	5028	6024	22.3418	13726	109	0.00	1.0000
1795	ethanol__sweet_	5028	6026	20.2637	13726	109	0.00	1.0000
1796	ethanol__sweet_	5028	6028	25.0257	13726	109	0.00	1.0000
1797	ethanol__sweet_	5030	6026	8.88E-16	1.6897	109	0.00	1.0000
1798	ethanol__sweet_	5032	6022	8.88E-16	1.5366	109	0.00	1.0000
1799	ethanol__sweet_	5032	6024	8.88E-16	1.5366	109	0.00	1.0000
1800	ethanol__sweet_	6022	6024	0	1.5366	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1801	dimethyloctanol__flor	5030	6028	-4.9670	1.3531	109	-3.67	0.0307
1802	dimethyloctanol__flor	5030	6026	-4.0187	1.2673	109	-3.17	0.1242
1803	dimethyloctanol__flor	5028	6028	-3.6504	1.1580	109	-3.15	0.1302
1804	dimethyloctanol__flor	5028	6026	-2.7021	1.0600	109	-2.55	0.4446
1805	dimethyloctanol__flor	6022	6028	-2.6239	1.0422	109	-2.52	0.4669
1806	dimethyloctanol__flor	5030	6022	-2.3431	1.2030	109	-1.95	0.8473
1807	dimethyloctanol__flor	6022	6026	-1.6756	0.9388	109	-1.78	0.9165
1808	dimethyloctanol__flor	5028	5030	1.3166	1.1682	109	1.13	0.9990
1809	dimethyloctanol__flor	5028	6022	-1.0265	1.0191	109	-1.01	0.9997
1810	dimethyloctanol__flor	6026	6028	-0.9483	0.9778	109	-0.97	0.9998
1811	dimethyloctanol__flor	3040	3042	2.84E-14	14502	109	0.00	1.0000
1812	dimethyloctanol__flor	3040	3044	1.78E-14	14502	109	0.00	1.0000
1813	dimethyloctanol__flor	3040	3046	6.04E-14	14502	109	0.00	1.0000
1814	dimethyloctanol__flor	3040	4034	2.49E-14	14502	109	0.00	1.0000
1815	dimethyloctanol__flor	3040	4036	2.49E-14	14502	109	0.00	1.0000
1816	dimethyloctanol__flor	3040	4038	2.84E-14	14502	109	0.00	1.0000
1817	dimethyloctanol__flor	3040	4040	6.39E-14	14502	109	0.00	1.0000
1818	dimethyloctanol__flor	3040	5026	7.46E-14	14502	109	0.00	1.0000
1819	dimethyloctanol__flor	3040	5028	-22.0149	10254	109	-0.00	1.0000
1820	dimethyloctanol__flor	3040	5030	-20.6983	10254	109	-0.00	1.0000
1821	dimethyloctanol__flor	3040	5032	8.17E-14	14502	109	0.00	1.0000
1822	dimethyloctanol__flor	3040	6022	-23.0414	10254	109	-0.00	1.0000
1823	dimethyloctanol__flor	3040	6024	-47.5408	14517	109	-0.00	1.0000
1824	dimethyloctanol__flor	3040	6026	-24.7170	10254	109	-0.00	1.0000
1825	dimethyloctanol__flor	3040	6028	-25.6653	10254	109	-0.00	1.0000
1826	dimethyloctanol__flor	3042	3044	-107E-16	14502	109	-0.00	1.0000
1827	dimethyloctanol__flor	3042	3046	3.2E-14	14502	109	0.00	1.0000
1828	dimethyloctanol__flor	3042	4034	-355E-17	14502	109	-0.00	1.0000
1829	dimethyloctanol__flor	3042	4036	-355E-17	14502	109	-0.00	1.0000
1830	dimethyloctanol__flor	3042	4038	0	14502	109	0.00	1.0000
1831	dimethyloctanol__flor	3042	4040	3.55E-14	14502	109	0.00	1.0000
1832	dimethyloctanol__flor	3042	5026	4.62E-14	14502	109	0.00	1.0000
1833	dimethyloctanol__flor	3042	5028	-22.0149	10254	109	-0.00	1.0000
1834	dimethyloctanol__flor	3042	5030	-20.6983	10254	109	-0.00	1.0000
1835	dimethyloctanol__flor	3042	5032	5.33E-14	14502	109	0.00	1.0000
1836	dimethyloctanol__flor	3042	6022	-23.0414	10254	109	-0.00	1.0000
1837	dimethyloctanol__flor	3042	6024	-47.5408	14517	109	-0.00	1.0000
1838	dimethyloctanol__flor	3042	6026	-24.7170	10254	109	-0.00	1.0000
1839	dimethyloctanol__flor	3042	6028	-25.6653	10254	109	-0.00	1.0000
1840	dimethyloctanol__flor	3044	3046	4.26E-14	14502	109	0.00	1.0000
1841	dimethyloctanol__flor	3044	4034	7.11E-15	14502	109	0.00	1.0000
1842	dimethyloctanol__flor	3044	4036	7.11E-15	14502	109	0.00	1.0000
1843	dimethyloctanol__flor	3044	4038	1.07E-14	14502	109	0.00	1.0000
1844	dimethyloctanol__flor	3044	4040	4.62E-14	14502	109	0.00	1.0000
1845	dimethyloctanol__flor	3044	5026	5.68E-14	14502	109	0.00	1.0000
1846	dimethyloctanol__flor	3044	5028	-22.0149	10254	109	-0.00	1.0000
1847	dimethyloctanol__flor	3044	5030	-20.6983	10254	109	-0.00	1.0000
1848	dimethyloctanol__flor	3044	5032	6.39E-14	14502	109	0.00	1.0000
1849	dimethyloctanol__flor	3044	6022	-23.0414	10254	109	-0.00	1.0000
1850	dimethyloctanol__flor	3044	6024	-47.5408	14517	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1851	dimethyloctanol__flor	3044	6026	-24.7170	10254	109	-0.00	1.0000
1852	dimethyloctanol__flor	3044	6028	-25.6653	10254	109	-0.00	1.0000
1853	dimethyloctanol__flor	3046	4034	-355E-16	14502	109	-0.00	1.0000
1854	dimethyloctanol__flor	3046	4036	-355E-16	14502	109	-0.00	1.0000
1855	dimethyloctanol__flor	3046	4038	-32E-15	14502	109	-0.00	1.0000
1856	dimethyloctanol__flor	3046	4040	3.55E-15	14502	109	0.00	1.0000
1857	dimethyloctanol__flor	3046	5026	1.42E-14	14502	109	0.00	1.0000
1858	dimethyloctanol__flor	3046	5028	-22.0149	10254	109	-0.00	1.0000
1859	dimethyloctanol__flor	3046	5030	-20.6983	10254	109	-0.00	1.0000
1860	dimethyloctanol__flor	3046	5032	2.13E-14	14502	109	0.00	1.0000
1861	dimethyloctanol__flor	3046	6022	-23.0414	10254	109	-0.00	1.0000
1862	dimethyloctanol__flor	3046	6024	-47.5408	14517	109	-0.00	1.0000
1863	dimethyloctanol__flor	3046	6026	-24.7170	10254	109	-0.00	1.0000
1864	dimethyloctanol__flor	3046	6028	-25.6653	10254	109	-0.00	1.0000
1865	dimethyloctanol__flor	4034	4036	0	14502	109	0.00	1.0000
1866	dimethyloctanol__flor	4034	4038	3.55E-15	14502	109	0.00	1.0000
1867	dimethyloctanol__flor	4034	4040	3.91E-14	14502	109	0.00	1.0000
1868	dimethyloctanol__flor	4034	5026	4.97E-14	14502	109	0.00	1.0000
1869	dimethyloctanol__flor	4034	5028	-22.0149	10254	109	-0.00	1.0000
1870	dimethyloctanol__flor	4034	5030	-20.6983	10254	109	-0.00	1.0000
1871	dimethyloctanol__flor	4034	5032	5.68E-14	14502	109	0.00	1.0000
1872	dimethyloctanol__flor	4034	6022	-23.0414	10254	109	-0.00	1.0000
1873	dimethyloctanol__flor	4034	6024	-47.5408	14517	109	-0.00	1.0000
1874	dimethyloctanol__flor	4034	6026	-24.7170	10254	109	-0.00	1.0000
1875	dimethyloctanol__flor	4034	6028	-25.6653	10254	109	-0.00	1.0000
1876	dimethyloctanol__flor	4036	4038	3.55E-15	14502	109	0.00	1.0000
1877	dimethyloctanol__flor	4036	4040	3.91E-14	14502	109	0.00	1.0000
1878	dimethyloctanol__flor	4036	5026	4.97E-14	14502	109	0.00	1.0000
1879	dimethyloctanol__flor	4036	5028	-22.0149	10254	109	-0.00	1.0000
1880	dimethyloctanol__flor	4036	5030	-20.6983	10254	109	-0.00	1.0000
1881	dimethyloctanol__flor	4036	5032	5.68E-14	14502	109	0.00	1.0000
1882	dimethyloctanol__flor	4036	6022	-23.0414	10254	109	-0.00	1.0000
1883	dimethyloctanol__flor	4036	6024	-47.5408	14517	109	-0.00	1.0000
1884	dimethyloctanol__flor	4036	6026	-24.7170	10254	109	-0.00	1.0000
1885	dimethyloctanol__flor	4036	6028	-25.6653	10254	109	-0.00	1.0000
1886	dimethyloctanol__flor	4038	4040	3.55E-14	14502	109	0.00	1.0000
1887	dimethyloctanol__flor	4038	5026	4.62E-14	14502	109	0.00	1.0000
1888	dimethyloctanol__flor	4038	5028	-22.0149	10254	109	-0.00	1.0000
1889	dimethyloctanol__flor	4038	5030	-20.6983	10254	109	-0.00	1.0000
1890	dimethyloctanol__flor	4038	5032	5.33E-14	14502	109	0.00	1.0000
1891	dimethyloctanol__flor	4038	6022	-23.0414	10254	109	-0.00	1.0000
1892	dimethyloctanol__flor	4038	6024	-47.5408	14517	109	-0.00	1.0000
1893	dimethyloctanol__flor	4038	6026	-24.7170	10254	109	-0.00	1.0000
1894	dimethyloctanol__flor	4038	6028	-25.6653	10254	109	-0.00	1.0000
1895	dimethyloctanol__flor	4040	5026	1.07E-14	14502	109	0.00	1.0000
1896	dimethyloctanol__flor	4040	5028	-22.0149	10254	109	-0.00	1.0000
1897	dimethyloctanol__flor	4040	5030	-20.6983	10254	109	-0.00	1.0000
1898	dimethyloctanol__flor	4040	5032	1.78E-14	14502	109	0.00	1.0000
1899	dimethyloctanol__flor	4040	6022	-23.0414	10254	109	-0.00	1.0000
1900	dimethyloctanol__flor	4040	6024	-47.5408	14517	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1901	dimethyloctanol__flor	4040	6026	-24.7170	10254	109	-0.00	1.0000
1902	dimethyloctanol__flor	4040	6028	-25.6653	10254	109	-0.00	1.0000
1903	dimethyloctanol__flor	5026	5028	-22.0149	10254	109	-0.00	1.0000
1904	dimethyloctanol__flor	5026	5030	-20.6983	10254	109	-0.00	1.0000
1905	dimethyloctanol__flor	5026	5032	7.11E-15	14502	109	0.00	1.0000
1906	dimethyloctanol__flor	5026	6022	-23.0414	10254	109	-0.00	1.0000
1907	dimethyloctanol__flor	5026	6024	-47.5408	14517	109	-0.00	1.0000
1908	dimethyloctanol__flor	5026	6026	-24.7170	10254	109	-0.00	1.0000
1909	dimethyloctanol__flor	5026	6028	-25.6653	10254	109	-0.00	1.0000
1910	dimethyloctanol__flor	5028	5032	22.0149	10254	109	0.00	1.0000
1911	dimethyloctanol__flor	5028	6024	-25.5259	10275	109	-0.00	1.0000
1912	dimethyloctanol__flor	5030	5032	20.6983	10254	109	0.00	1.0000
1913	dimethyloctanol__flor	5030	6024	-26.8425	10275	109	-0.00	1.0000
1914	dimethyloctanol__flor	5032	6022	-23.0414	10254	109	-0.00	1.0000
1915	dimethyloctanol__flor	5032	6024	-47.5408	14517	109	-0.00	1.0000
1916	dimethyloctanol__flor	5032	6026	-24.7170	10254	109	-0.00	1.0000
1917	dimethyloctanol__flor	5032	6028	-25.6653	10254	109	-0.00	1.0000
1918	dimethyloctanol__flor	6022	6024	-24.4994	10275	109	-0.00	1.0000
1919	dimethyloctanol__flor	6024	6026	22.8238	10275	109	0.00	1.0000
1920	dimethyloctanol__flor	6024	6028	21.8755	10275	109	0.00	1.0000
1921	propanoic_acid__punge	3044	6028	-4.1982	1.1969	109	-3.51	0.0500
1922	propanoic_acid__punge	3044	5030	-4.1982	1.1969	109	-3.51	0.0500
1923	propanoic_acid__punge	3044	5032	-4.1982	1.1969	109	-3.51	0.0500
1924	propanoic_acid__punge	3044	5028	-4.1982	1.1969	109	-3.51	0.0500
1925	propanoic_acid__punge	3044	6022	-4.1982	1.1969	109	-3.51	0.0500
1926	propanoic_acid__punge	3044	6024	-4.1982	1.1969	109	-3.51	0.0500
1927	propanoic_acid__punge	3040	3042	3.55E-15	17370	109	0.00	1.0000
1928	propanoic_acid__punge	3040	3044	-20.6322	12283	109	-0.00	1.0000
1929	propanoic_acid__punge	3040	3046	-107E-16	17370	109	-0.00	1.0000
1930	propanoic_acid__punge	3040	4034	1.42E-14	17370	109	0.00	1.0000
1931	propanoic_acid__punge	3040	4036	-711E-17	17370	109	-0.00	1.0000
1932	propanoic_acid__punge	3040	4038	-142E-16	17370	109	-0.00	1.0000
1933	propanoic_acid__punge	3040	4040	-711E-17	17370	109	-0.00	1.0000
1934	propanoic_acid__punge	3040	5026	-45.4437	17436	109	-0.00	1.0000
1935	propanoic_acid__punge	3040	5028	-24.8304	12283	109	-0.00	1.0000
1936	propanoic_acid__punge	3040	5030	-24.8304	12283	109	-0.00	1.0000
1937	propanoic_acid__punge	3040	5032	-24.8304	12283	109	-0.00	1.0000
1938	propanoic_acid__punge	3040	6022	-24.8304	12283	109	-0.00	1.0000
1939	propanoic_acid__punge	3040	6024	-24.8304	12283	109	-0.00	1.0000
1940	propanoic_acid__punge	3040	6026	-45.4437	17436	109	-0.00	1.0000
1941	propanoic_acid__punge	3040	6028	-24.8304	12283	109	-0.00	1.0000
1942	propanoic_acid__punge	3042	3044	-20.6322	12283	109	-0.00	1.0000
1943	propanoic_acid__punge	3042	3046	-142E-16	17370	109	-0.00	1.0000
1944	propanoic_acid__punge	3042	4034	1.07E-14	17370	109	0.00	1.0000
1945	propanoic_acid__punge	3042	4036	-107E-16	17370	109	-0.00	1.0000
1946	propanoic_acid__punge	3042	4038	-178E-16	17370	109	-0.00	1.0000
1947	propanoic_acid__punge	3042	4040	-107E-16	17370	109	-0.00	1.0000
1948	propanoic_acid__punge	3042	5026	-45.4437	17436	109	-0.00	1.0000
1949	propanoic_acid__punge	3042	5028	-24.8304	12283	109	-0.00	1.0000
1950	propanoic_acid__punge	3042	5030	-24.8304	12283	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
1951	propanoic_acid__punge	3042	5032	-24.8304	12283	109	-0.00	1.0000
1952	propanoic_acid__punge	3042	6022	-24.8304	12283	109	-0.00	1.0000
1953	propanoic_acid__punge	3042	6024	-24.8304	12283	109	-0.00	1.0000
1954	propanoic_acid__punge	3042	6026	-45.4437	17436	109	-0.00	1.0000
1955	propanoic_acid__punge	3042	6028	-24.8304	12283	109	-0.00	1.0000
1956	propanoic_acid__punge	3044	3046	20.6322	12283	109	0.00	1.0000
1957	propanoic_acid__punge	3044	4034	20.6322	12283	109	0.00	1.0000
1958	propanoic_acid__punge	3044	4036	20.6322	12283	109	0.00	1.0000
1959	propanoic_acid__punge	3044	4038	20.6322	12283	109	0.00	1.0000
1960	propanoic_acid__punge	3044	4040	20.6322	12283	109	0.00	1.0000
1961	propanoic_acid__punge	3044	5026	-24.8115	12376	109	-0.00	1.0000
1962	propanoic_acid__punge	3044	6026	-24.8115	12376	109	-0.00	1.0000
1963	propanoic_acid__punge	3046	4034	2.49E-14	17370	109	0.00	1.0000
1964	propanoic_acid__punge	3046	4036	3.55E-15	17370	109	0.00	1.0000
1965	propanoic_acid__punge	3046	4038	-355E-17	17370	109	-0.00	1.0000
1966	propanoic_acid__punge	3046	4040	3.55E-15	17370	109	0.00	1.0000
1967	propanoic_acid__punge	3046	5026	-45.4437	17436	109	-0.00	1.0000
1968	propanoic_acid__punge	3046	5028	-24.8304	12283	109	-0.00	1.0000
1969	propanoic_acid__punge	3046	5030	-24.8304	12283	109	-0.00	1.0000
1970	propanoic_acid__punge	3046	5032	-24.8304	12283	109	-0.00	1.0000
1971	propanoic_acid__punge	3046	6022	-24.8304	12283	109	-0.00	1.0000
1972	propanoic_acid__punge	3046	6024	-24.8304	12283	109	-0.00	1.0000
1973	propanoic_acid__punge	3046	6026	-45.4437	17436	109	-0.00	1.0000
1974	propanoic_acid__punge	3046	6028	-24.8304	12283	109	-0.00	1.0000
1975	propanoic_acid__punge	4034	4036	-213E-16	17370	109	-0.00	1.0000
1976	propanoic_acid__punge	4034	4038	-284E-16	17370	109	-0.00	1.0000
1977	propanoic_acid__punge	4034	4040	-213E-16	17370	109	-0.00	1.0000
1978	propanoic_acid__punge	4034	5026	-45.4437	17436	109	-0.00	1.0000
1979	propanoic_acid__punge	4034	5028	-24.8304	12283	109	-0.00	1.0000
1980	propanoic_acid__punge	4034	5030	-24.8304	12283	109	-0.00	1.0000
1981	propanoic_acid__punge	4034	5032	-24.8304	12283	109	-0.00	1.0000
1982	propanoic_acid__punge	4034	6022	-24.8304	12283	109	-0.00	1.0000
1983	propanoic_acid__punge	4034	6024	-24.8304	12283	109	-0.00	1.0000
1984	propanoic_acid__punge	4034	6026	-45.4437	17436	109	-0.00	1.0000
1985	propanoic_acid__punge	4034	6028	-24.8304	12283	109	-0.00	1.0000
1986	propanoic_acid__punge	4036	4038	-711E-17	17370	109	-0.00	1.0000
1987	propanoic_acid__punge	4036	4040	0	17370	109	0.00	1.0000
1988	propanoic_acid__punge	4036	5026	-45.4437	17436	109	-0.00	1.0000
1989	propanoic_acid__punge	4036	5028	-24.8304	12283	109	-0.00	1.0000
1990	propanoic_acid__punge	4036	5030	-24.8304	12283	109	-0.00	1.0000
1991	propanoic_acid__punge	4036	5032	-24.8304	12283	109	-0.00	1.0000
1992	propanoic_acid__punge	4036	6022	-24.8304	12283	109	-0.00	1.0000
1993	propanoic_acid__punge	4036	6024	-24.8304	12283	109	-0.00	1.0000
1994	propanoic_acid__punge	4036	6026	-45.4437	17436	109	-0.00	1.0000
1995	propanoic_acid__punge	4036	6028	-24.8304	12283	109	-0.00	1.0000
1996	propanoic_acid__punge	4038	4040	7.11E-15	17370	109	0.00	1.0000
1997	propanoic_acid__punge	4038	5026	-45.4437	17436	109	-0.00	1.0000
1998	propanoic_acid__punge	4038	5028	-24.8304	12283	109	-0.00	1.0000
1999	propanoic_acid__punge	4038	5030	-24.8304	12283	109	-0.00	1.0000
2000	propanoic_acid__punge	4038	5032	-24.8304	12283	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2001	propanoic_acid__punge	4038	6022	-24.8304	12283	109	-0.00	1.0000
2002	propanoic_acid__punge	4038	6024	-24.8304	12283	109	-0.00	1.0000
2003	propanoic_acid__punge	4038	6026	-45.4437	17436	109	-0.00	1.0000
2004	propanoic_acid__punge	4038	6028	-24.8304	12283	109	-0.00	1.0000
2005	propanoic_acid__punge	4040	5026	-45.4437	17436	109	-0.00	1.0000
2006	propanoic_acid__punge	4040	5028	-24.8304	12283	109	-0.00	1.0000
2007	propanoic_acid__punge	4040	5030	-24.8304	12283	109	-0.00	1.0000
2008	propanoic_acid__punge	4040	5032	-24.8304	12283	109	-0.00	1.0000
2009	propanoic_acid__punge	4040	6022	-24.8304	12283	109	-0.00	1.0000
2010	propanoic_acid__punge	4040	6024	-24.8304	12283	109	-0.00	1.0000
2011	propanoic_acid__punge	4040	6026	-45.4437	17436	109	-0.00	1.0000
2012	propanoic_acid__punge	4040	6028	-24.8304	12283	109	-0.00	1.0000
2013	propanoic_acid__punge	5026	5028	20.6133	12376	109	0.00	1.0000
2014	propanoic_acid__punge	5026	5030	20.6133	12376	109	0.00	1.0000
2015	propanoic_acid__punge	5026	5032	20.6133	12376	109	0.00	1.0000
2016	propanoic_acid__punge	5026	6022	20.6133	12376	109	0.00	1.0000
2017	propanoic_acid__punge	5026	6024	20.6133	12376	109	0.00	1.0000
2018	propanoic_acid__punge	5026	6026	-355E-17	17502	109	-0.00	1.0000
2019	propanoic_acid__punge	5026	6028	20.6133	12376	109	0.00	1.0000
2020	propanoic_acid__punge	5028	5030	-261E-18	1.1366	109	-0.00	1.0000
2021	propanoic_acid__punge	5028	5032	-261E-18	1.1366	109	-0.00	1.0000
2022	propanoic_acid__punge	5028	6022	-261E-18	1.1366	109	-0.00	1.0000
2023	propanoic_acid__punge	5028	6024	2.82E-16	1.1366	109	0.00	1.0000
2024	propanoic_acid__punge	5028	6026	-20.6133	12376	109	-0.00	1.0000
2025	propanoic_acid__punge	5028	6028	-182E-18	1.1366	109	-0.00	1.0000
2026	propanoic_acid__punge	5030	5032	-287E-28	1.1366	109	-0.00	1.0000
2027	propanoic_acid__punge	5030	6022	-287E-28	1.1366	109	-0.00	1.0000
2028	propanoic_acid__punge	5030	6024	5.44E-16	1.1366	109	0.00	1.0000
2029	propanoic_acid__punge	5030	6026	-20.6133	12376	109	-0.00	1.0000
2030	propanoic_acid__punge	5030	6028	7.9E-17	1.1366	109	0.00	1.0000
2031	propanoic_acid__punge	5032	6022	0	1.1366	109	0.00	1.0000
2032	propanoic_acid__punge	5032	6024	5.44E-16	1.1366	109	0.00	1.0000
2033	propanoic_acid__punge	5032	6026	-20.6133	12376	109	-0.00	1.0000
2034	propanoic_acid__punge	5032	6028	7.9E-17	1.1366	109	0.00	1.0000
2035	propanoic_acid__punge	6022	6024	5.44E-16	1.1366	109	0.00	1.0000
2036	propanoic_acid__punge	6022	6026	-20.6133	12376	109	-0.00	1.0000
2037	propanoic_acid__punge	6022	6028	7.9E-17	1.1366	109	0.00	1.0000
2038	propanoic_acid__punge	6024	6026	-20.6133	12376	109	-0.00	1.0000
2039	propanoic_acid__punge	6024	6028	-465E-18	1.1366	109	-0.00	1.0000
2040	propanoic_acid__punge	6026	6028	20.6133	12376	109	0.00	1.0000
2041	__octanol__mushroom_	3044	6028	-4.6810	1.7208	102	-2.72	0.3329
2042	__octanol__mushroom_	4040	6028	-4.6810	1.7208	102	-2.72	0.3329
2043	__octanol__mushroom_	3044	6026	-3.5604	1.6002	102	-2.23	0.6776
2044	__octanol__mushroom_	4040	6026	-3.5604	1.6002	102	-2.23	0.6776
2045	__octanol__mushroom_	5030	6028	-3.2737	1.5415	102	-2.12	0.7457
2046	__octanol__mushroom_	5032	6028	-3.2737	1.5415	102	-2.12	0.7457
2047	__octanol__mushroom_	5026	6028	-3.2737	1.5415	102	-2.12	0.7457
2048	__octanol__mushroom_	3044	5028	-2.5633	1.5701	102	-1.63	0.9583
2049	__octanol__mushroom_	4040	5028	-2.5633	1.5701	102	-1.63	0.9583
2050	__octanol__mushroom_	5030	6026	-2.1531	1.4123	102	-1.52	0.9770

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2051	__octanol__mushroom_	5032	6026	-2.1531	1.4123	102	-1.52	0.9770
2052	__octanol__mushroom_	5026	6026	-2.1531	1.4123	102	-1.52	0.9770
2053	__octanol__mushroom_	5028	6028	-2.1176	1.4224	102	-1.49	0.9814
2054	__octanol__mushroom_	3044	5026	-1.4073	1.5581	102	-0.90	0.9999
2055	__octanol__mushroom_	4040	5026	-1.4073	1.5581	102	-0.90	0.9999
2056	__octanol__mushroom_	3044	5030	-1.4073	1.5581	102	-0.90	0.9999
2057	__octanol__mushroom_	3044	5032	-1.4073	1.5581	102	-0.90	0.9999
2058	__octanol__mushroom_	4040	5030	-1.4073	1.5581	102	-0.90	0.9999
2059	__octanol__mushroom_	4040	5032	-1.4073	1.5581	102	-0.90	0.9999
2060	__octanol__mushroom_	5026	5028	-1.1561	1.3978	102	-0.83	1.0000
2061	__octanol__mushroom_	5028	5030	1.1561	1.3978	102	0.83	1.0000
2062	__octanol__mushroom_	5028	5032	1.1561	1.3978	102	0.83	1.0000
2063	__octanol__mushroom_	6026	6028	-1.1205	1.3896	102	-0.81	1.0000
2064	__octanol__mushroom_	5028	6026	-0.9971	1.2928	102	-0.77	1.0000
2065	__octanol__mushroom_	3040	3042	0	17980	102	0.00	1.0000
2066	__octanol__mushroom_	3040	3044	-20.6233	12714	102	-0.00	1.0000
2067	__octanol__mushroom_	3040	3046	3.55E-15	17980	102	0.00	1.0000
2068	__octanol__mushroom_	3040	4034	0	17980	102	0.00	1.0000
2069	__octanol__mushroom_	3040	4036	3.55E-15	17980	102	0.00	1.0000
2070	__octanol__mushroom_	3040	4038	2.13E-14	17980	102	0.00	1.0000
2071	__octanol__mushroom_	3040	4040	-20.6233	12714	102	-0.00	1.0000
2072	__octanol__mushroom_	3040	5026	-22.0306	12714	102	-0.00	1.0000
2073	__octanol__mushroom_	3040	5028	-23.1867	12714	102	-0.00	1.0000
2074	__octanol__mushroom_	3040	5030	-22.0306	12714	102	-0.00	1.0000
2075	__octanol__mushroom_	3040	5032	-22.0306	12714	102	-0.00	1.0000
2076	__octanol__mushroom_	3040	6022	-43.7884	13582	102	-0.00	1.0000
2077	__octanol__mushroom_	3040	6024	-83.3374	18513	102	-0.00	1.0000
2078	__octanol__mushroom_	3040	6026	-24.1838	12714	102	-0.00	1.0000
2079	__octanol__mushroom_	3040	6028	-25.3043	12714	102	-0.00	1.0000
2080	__octanol__mushroom_	3042	3044	-20.6233	12714	102	-0.00	1.0000
2081	__octanol__mushroom_	3042	3046	3.55E-15	17980	102	0.00	1.0000
2082	__octanol__mushroom_	3042	4034	0	17980	102	0.00	1.0000
2083	__octanol__mushroom_	3042	4036	3.55E-15	17980	102	0.00	1.0000
2084	__octanol__mushroom_	3042	4038	2.13E-14	17980	102	0.00	1.0000
2085	__octanol__mushroom_	3042	4040	-20.6233	12714	102	-0.00	1.0000
2086	__octanol__mushroom_	3042	5026	-22.0306	12714	102	-0.00	1.0000
2087	__octanol__mushroom_	3042	5028	-23.1867	12714	102	-0.00	1.0000
2088	__octanol__mushroom_	3042	5030	-22.0306	12714	102	-0.00	1.0000
2089	__octanol__mushroom_	3042	5032	-22.0306	12714	102	-0.00	1.0000
2090	__octanol__mushroom_	3042	6022	-43.7884	13582	102	-0.00	1.0000
2091	__octanol__mushroom_	3042	6024	-83.3374	18513	102	-0.00	1.0000
2092	__octanol__mushroom_	3042	6026	-24.1838	12714	102	-0.00	1.0000
2093	__octanol__mushroom_	3042	6028	-25.3043	12714	102	-0.00	1.0000
2094	__octanol__mushroom_	3044	3046	20.6233	12714	102	0.00	1.0000
2095	__octanol__mushroom_	3044	4034	20.6233	12714	102	0.00	1.0000
2096	__octanol__mushroom_	3044	4036	20.6233	12714	102	0.00	1.0000
2097	__octanol__mushroom_	3044	4038	20.6233	12714	102	0.00	1.0000
2098	__octanol__mushroom_	3044	4040	8.88E-16	1.6179	102	0.00	1.0000
2099	__octanol__mushroom_	3044	6022	-23.1651	4777.03	102	-0.00	1.0000
2100	__octanol__mushroom_	3044	6024	-62.7141	13458	102	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2101	__octanol__mushroom_	3046	4034	-355E-17	17980	102	-0.00	1.0000
2102	__octanol__mushroom_	3046	4036	0	17980	102	0.00	1.0000
2103	__octanol__mushroom_	3046	4038	1.78E-14	17980	102	0.00	1.0000
2104	__octanol__mushroom_	3046	4040	-20.6233	12714	102	-0.00	1.0000
2105	__octanol__mushroom_	3046	5026	-22.0306	12714	102	-0.00	1.0000
2106	__octanol__mushroom_	3046	5028	-23.1867	12714	102	-0.00	1.0000
2107	__octanol__mushroom_	3046	5030	-22.0306	12714	102	-0.00	1.0000
2108	__octanol__mushroom_	3046	5032	-22.0306	12714	102	-0.00	1.0000
2109	__octanol__mushroom_	3046	6022	-43.7884	13582	102	-0.00	1.0000
2110	__octanol__mushroom_	3046	6024	-83.3374	18513	102	-0.00	1.0000
2111	__octanol__mushroom_	3046	6026	-24.1838	12714	102	-0.00	1.0000
2112	__octanol__mushroom_	3046	6028	-25.3043	12714	102	-0.00	1.0000
2113	__octanol__mushroom_	4034	4036	3.55E-15	17980	102	0.00	1.0000
2114	__octanol__mushroom_	4034	4038	2.13E-14	17980	102	0.00	1.0000
2115	__octanol__mushroom_	4034	4040	-20.6233	12714	102	-0.00	1.0000
2116	__octanol__mushroom_	4034	5026	-22.0306	12714	102	-0.00	1.0000
2117	__octanol__mushroom_	4034	5028	-23.1867	12714	102	-0.00	1.0000
2118	__octanol__mushroom_	4034	5030	-22.0306	12714	102	-0.00	1.0000
2119	__octanol__mushroom_	4034	5032	-22.0306	12714	102	-0.00	1.0000
2120	__octanol__mushroom_	4034	6022	-43.7884	13582	102	-0.00	1.0000
2121	__octanol__mushroom_	4034	6024	-83.3374	18513	102	-0.00	1.0000
2122	__octanol__mushroom_	4034	6026	-24.1838	12714	102	-0.00	1.0000
2123	__octanol__mushroom_	4034	6028	-25.3043	12714	102	-0.00	1.0000
2124	__octanol__mushroom_	4036	4038	1.78E-14	17980	102	0.00	1.0000
2125	__octanol__mushroom_	4036	4040	-20.6233	12714	102	-0.00	1.0000
2126	__octanol__mushroom_	4036	5026	-22.0306	12714	102	-0.00	1.0000
2127	__octanol__mushroom_	4036	5028	-23.1867	12714	102	-0.00	1.0000
2128	__octanol__mushroom_	4036	5030	-22.0306	12714	102	-0.00	1.0000
2129	__octanol__mushroom_	4036	5032	-22.0306	12714	102	-0.00	1.0000
2130	__octanol__mushroom_	4036	6022	-43.7884	13582	102	-0.00	1.0000
2131	__octanol__mushroom_	4036	6024	-83.3374	18513	102	-0.00	1.0000
2132	__octanol__mushroom_	4036	6026	-24.1838	12714	102	-0.00	1.0000
2133	__octanol__mushroom_	4036	6028	-25.3043	12714	102	-0.00	1.0000
2134	__octanol__mushroom_	4038	4040	-20.6233	12714	102	-0.00	1.0000
2135	__octanol__mushroom_	4038	5026	-22.0306	12714	102	-0.00	1.0000
2136	__octanol__mushroom_	4038	5028	-23.1867	12714	102	-0.00	1.0000
2137	__octanol__mushroom_	4038	5030	-22.0306	12714	102	-0.00	1.0000
2138	__octanol__mushroom_	4038	5032	-22.0306	12714	102	-0.00	1.0000
2139	__octanol__mushroom_	4038	6022	-43.7884	13582	102	-0.00	1.0000
2140	__octanol__mushroom_	4038	6024	-83.3374	18513	102	-0.00	1.0000
2141	__octanol__mushroom_	4038	6026	-24.1838	12714	102	-0.00	1.0000
2142	__octanol__mushroom_	4038	6028	-25.3043	12714	102	-0.00	1.0000
2143	__octanol__mushroom_	4040	6022	-23.1651	4777.03	102	-0.00	1.0000
2144	__octanol__mushroom_	4040	6024	-62.7141	13458	102	-0.00	1.0000
2145	__octanol__mushroom_	5026	5030	4.44E-16	1.4385	102	0.00	1.0000
2146	__octanol__mushroom_	5026	5032	0	1.4385	102	0.00	1.0000
2147	__octanol__mushroom_	5026	6022	-21.7578	4777.03	102	-0.00	1.0000
2148	__octanol__mushroom_	5026	6024	-61.3068	13458	102	-0.00	1.0000
2149	__octanol__mushroom_	5028	6022	-20.6017	4777.03	102	-0.00	1.0000
2150	__octanol__mushroom_	5028	6024	-60.1507	13458	102	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2151	__octanol__mushroom_	5030	5032	-444E-18	1.4385	102	-0.00	1.0000
2152	__octanol__mushroom_	5030	6022	-21.7578	4777.03	102	-0.00	1.0000
2153	__octanol__mushroom_	5030	6024	-61.3068	13458	102	-0.00	1.0000
2154	__octanol__mushroom_	5032	6022	-21.7578	4777.03	102	-0.00	1.0000
2155	__octanol__mushroom_	5032	6024	-61.3068	13458	102	-0.00	1.0000
2156	__octanol__mushroom_	6022	6024	-39.5490	12581	102	-0.00	1.0000
2157	__octanol__mushroom_	6022	6026	19.6046	4777.03	102	0.00	1.0000
2158	__octanol__mushroom_	6022	6028	18.4841	4777.03	102	0.00	1.0000
2159	__octanol__mushroom_	6024	6026	59.1536	13458	102	0.00	1.0000
2160	__octanol__mushroom_	6024	6028	58.0331	13458	102	0.00	1.0000
2161	methyl_butanol_whiske	3042	3046	3.3625	1.4069	109	2.39	0.5591
2162	methyl_butanol_whiske	3042	5026	3.3625	1.4069	109	2.39	0.5591
2163	methyl_butanol_whiske	3046	4036	-3.3625	1.4069	109	-2.39	0.5591
2164	methyl_butanol_whiske	3046	5028	-3.3625	1.4069	109	-2.39	0.5591
2165	methyl_butanol_whiske	3046	6022	-3.3625	1.4069	109	-2.39	0.5591
2166	methyl_butanol_whiske	3046	6024	-3.3625	1.4069	109	-2.39	0.5591
2167	methyl_butanol_whiske	4036	5026	3.3625	1.4069	109	2.39	0.5591
2168	methyl_butanol_whiske	5026	5028	-3.3625	1.4069	109	-2.39	0.5591
2169	methyl_butanol_whiske	5026	6024	-3.3625	1.4069	109	-2.39	0.5591
2170	methyl_butanol_whiske	5026	6022	-3.3625	1.4069	109	-2.39	0.5591
2171	methyl_butanol_whiske	4036	6026	3.3625	1.4069	109	2.39	0.5591
2172	methyl_butanol_whiske	3042	6026	3.3625	1.4069	109	2.39	0.5591
2173	methyl_butanol_whiske	5028	6026	3.3625	1.4069	109	2.39	0.5591
2174	methyl_butanol_whiske	6022	6026	3.3625	1.4069	109	2.39	0.5591
2175	methyl_butanol_whiske	6024	6026	3.3625	1.4069	109	2.39	0.5591
2176	methyl_butanol_whiske	3042	3044	2.4447	1.2167	109	2.01	0.8148
2177	methyl_butanol_whiske	3044	4036	-2.4447	1.2167	109	-2.01	0.8148
2178	methyl_butanol_whiske	3044	6022	-2.4447	1.2167	109	-2.01	0.8148
2179	methyl_butanol_whiske	3044	6024	-2.4447	1.2167	109	-2.01	0.8148
2180	methyl_butanol_whiske	3044	5028	-2.4447	1.2167	109	-2.01	0.8148
2181	methyl_butanol_whiske	3046	6028	-2.7182	1.3544	109	-2.01	0.8161
2182	methyl_butanol_whiske	5026	6028	-2.7182	1.3544	109	-2.01	0.8161
2183	methyl_butanol_whiske	6026	6028	-2.7182	1.3544	109	-2.01	0.8161
2184	methyl_butanol_whiske	3046	5032	-2.1476	1.3382	109	-1.60	0.9642
2185	methyl_butanol_whiske	5026	5032	-2.1476	1.3382	109	-1.60	0.9642
2186	methyl_butanol_whiske	5032	6026	2.1476	1.3382	109	1.60	0.9642
2187	methyl_butanol_whiske	3044	6028	-1.8004	1.1571	109	-1.56	0.9726
2188	methyl_butanol_whiske	3042	5030	1.7893	1.1526	109	1.55	0.9731
2189	methyl_butanol_whiske	4036	5030	1.7893	1.1526	109	1.55	0.9731
2190	methyl_butanol_whiske	5028	5030	1.7893	1.1526	109	1.55	0.9731
2191	methyl_butanol_whiske	5030	6022	-1.7893	1.1526	109	-1.55	0.9731
2192	methyl_butanol_whiske	5030	6024	-1.7893	1.1526	109	-1.55	0.9731
2193	methyl_butanol_whiske	3046	5030	-1.5731	1.3472	109	-1.17	0.9985
2194	methyl_butanol_whiske	5026	5030	-1.5731	1.3472	109	-1.17	0.9985
2195	methyl_butanol_whiske	5030	6026	1.5731	1.3472	109	1.17	0.9985
2196	methyl_butanol_whiske	3044	5032	-1.2298	1.1399	109	-1.08	0.9994
2197	methyl_butanol_whiske	3042	5032	1.2149	1.1322	109	1.07	0.9994
2198	methyl_butanol_whiske	4036	5032	1.2149	1.1322	109	1.07	0.9994
2199	methyl_butanol_whiske	5028	5032	1.2149	1.1322	109	1.07	0.9994
2200	methyl_butanol_whiske	5032	6022	-1.2149	1.1322	109	-1.07	0.9994

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2201	methyl_butanol_whiske	5032	6024	-1.2149	1.1322	109	-1.07	0.9994
2202	methyl_butanol_whiske	5030	6028	-1.1451	1.0911	109	-1.05	0.9996
2203	methyl_butanol_whiske	3044	3046	0.9178	1.3932	109	0.66	1.0000
2204	methyl_butanol_whiske	3044	5026	0.9178	1.3932	109	0.66	1.0000
2205	methyl_butanol_whiske	3044	6026	0.9178	1.3932	109	0.66	1.0000
2206	methyl_butanol_whiske	3044	5030	-0.6553	1.1529	109	-0.57	1.0000
2207	methyl_butanol_whiske	3042	6028	0.6443	1.1428	109	0.56	1.0000
2208	methyl_butanol_whiske	4036	6028	0.6443	1.1428	109	0.56	1.0000
2209	methyl_butanol_whiske	5028	6028	0.6443	1.1428	109	0.56	1.0000
2210	methyl_butanol_whiske	6022	6028	0.6443	1.1428	109	0.56	1.0000
2211	methyl_butanol_whiske	6024	6028	0.6443	1.1428	109	0.56	1.0000
2212	methyl_butanol_whiske	5030	5032	-0.5745	1.0748	109	-0.53	1.0000
2213	methyl_butanol_whiske	5032	6028	-0.5706	1.0711	109	-0.53	1.0000
2214	methyl_butanol_whiske	3040	3042	-23.9653	16249	109	-0.00	1.0000
2215	methyl_butanol_whiske	3040	3044	-21.5207	16249	109	-0.00	1.0000
2216	methyl_butanol_whiske	3040	3046	-20.6029	16249	109	-0.00	1.0000
2217	methyl_butanol_whiske	3040	4034	-711E-17	22979	109	-0.00	1.0000
2218	methyl_butanol_whiske	3040	4036	-23.9653	16249	109	-0.00	1.0000
2219	methyl_butanol_whiske	3040	4038	-568E-16	22979	109	-0.00	1.0000
2220	methyl_butanol_whiske	3040	4040	-604E-16	22979	109	-0.00	1.0000
2221	methyl_butanol_whiske	3040	5026	-20.6029	16249	109	-0.00	1.0000
2222	methyl_butanol_whiske	3040	5028	-23.9653	16249	109	-0.00	1.0000
2223	methyl_butanol_whiske	3040	5030	-22.1760	16249	109	-0.00	1.0000
2224	methyl_butanol_whiske	3040	5032	-22.7505	16249	109	-0.00	1.0000
2225	methyl_butanol_whiske	3040	6022	-23.9653	16249	109	-0.00	1.0000
2226	methyl_butanol_whiske	3040	6024	-23.9653	16249	109	-0.00	1.0000
2227	methyl_butanol_whiske	3040	6026	-20.6029	16249	109	-0.00	1.0000
2228	methyl_butanol_whiske	3040	6028	-23.3211	16249	109	-0.00	1.0000
2229	methyl_butanol_whiske	3042	4034	23.9653	16249	109	0.00	1.0000
2230	methyl_butanol_whiske	3042	4036	-222E-18	1.1974	109	-0.00	1.0000
2231	methyl_butanol_whiske	3042	4038	23.9653	16249	109	0.00	1.0000
2232	methyl_butanol_whiske	3042	4040	23.9653	16249	109	0.00	1.0000
2233	methyl_butanol_whiske	3042	5028	2.22E-16	1.1974	109	0.00	1.0000
2234	methyl_butanol_whiske	3042	6022	-111E-18	1.1974	109	-0.00	1.0000
2235	methyl_butanol_whiske	3042	6024	0	1.1974	109	0.00	1.0000
2236	methyl_butanol_whiske	3044	4034	21.5207	16249	109	0.00	1.0000
2237	methyl_butanol_whiske	3044	4038	21.5207	16249	109	0.00	1.0000
2238	methyl_butanol_whiske	3044	4040	21.5207	16249	109	0.00	1.0000
2239	methyl_butanol_whiske	3046	4034	20.6029	16249	109	0.00	1.0000
2240	methyl_butanol_whiske	3046	4038	20.6029	16249	109	0.00	1.0000
2241	methyl_butanol_whiske	3046	4040	20.6029	16249	109	0.00	1.0000
2242	methyl_butanol_whiske	3046	5026	-888E-18	1.5532	109	-0.00	1.0000
2243	methyl_butanol_whiske	3046	6026	-178E-17	1.5532	109	-0.00	1.0000
2244	methyl_butanol_whiske	4034	4036	-23.9653	16249	109	-0.00	1.0000
2245	methyl_butanol_whiske	4034	4038	-497E-16	22979	109	-0.00	1.0000
2246	methyl_butanol_whiske	4034	4040	-533E-16	22979	109	-0.00	1.0000
2247	methyl_butanol_whiske	4034	5026	-20.6029	16249	109	-0.00	1.0000
2248	methyl_butanol_whiske	4034	5028	-23.9653	16249	109	-0.00	1.0000
2249	methyl_butanol_whiske	4034	5030	-22.1760	16249	109	-0.00	1.0000
2250	methyl_butanol_whiske	4034	5032	-22.7505	16249	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2251	methyl_butanol_whiske	4034	6022	-23.9653	16249	109	-0.00	1.0000
2252	methyl_butanol_whiske	4034	6024	-23.9653	16249	109	-0.00	1.0000
2253	methyl_butanol_whiske	4034	6026	-20.6029	16249	109	-0.00	1.0000
2254	methyl_butanol_whiske	4034	6028	-23.3211	16249	109	-0.00	1.0000
2255	methyl_butanol_whiske	4036	4038	23.9653	16249	109	0.00	1.0000
2256	methyl_butanol_whiske	4036	4040	23.9653	16249	109	0.00	1.0000
2257	methyl_butanol_whiske	4036	5028	4.44E-16	1.1974	109	0.00	1.0000
2258	methyl_butanol_whiske	4036	6022	1.11E-16	1.1974	109	0.00	1.0000
2259	methyl_butanol_whiske	4036	6024	2.22E-16	1.1974	109	0.00	1.0000
2260	methyl_butanol_whiske	4038	4040	-355E-17	22979	109	-0.00	1.0000
2261	methyl_butanol_whiske	4038	5026	-20.6029	16249	109	-0.00	1.0000
2262	methyl_butanol_whiske	4038	5028	-23.9653	16249	109	-0.00	1.0000
2263	methyl_butanol_whiske	4038	5030	-22.1760	16249	109	-0.00	1.0000
2264	methyl_butanol_whiske	4038	5032	-22.7505	16249	109	-0.00	1.0000
2265	methyl_butanol_whiske	4038	6022	-23.9653	16249	109	-0.00	1.0000
2266	methyl_butanol_whiske	4038	6024	-23.9653	16249	109	-0.00	1.0000
2267	methyl_butanol_whiske	4038	6026	-20.6029	16249	109	-0.00	1.0000
2268	methyl_butanol_whiske	4038	6028	-23.3211	16249	109	-0.00	1.0000
2269	methyl_butanol_whiske	4040	5026	-20.6029	16249	109	-0.00	1.0000
2270	methyl_butanol_whiske	4040	5028	-23.9653	16249	109	-0.00	1.0000
2271	methyl_butanol_whiske	4040	5030	-22.1760	16249	109	-0.00	1.0000
2272	methyl_butanol_whiske	4040	5032	-22.7505	16249	109	-0.00	1.0000
2273	methyl_butanol_whiske	4040	6022	-23.9653	16249	109	-0.00	1.0000
2274	methyl_butanol_whiske	4040	6024	-23.9653	16249	109	-0.00	1.0000
2275	methyl_butanol_whiske	4040	6026	-20.6029	16249	109	-0.00	1.0000
2276	methyl_butanol_whiske	4040	6028	-23.3211	16249	109	-0.00	1.0000
2277	methyl_butanol_whiske	5026	6026	-888E-18	1.5532	109	-0.00	1.0000
2278	methyl_butanol_whiske	5028	6022	-333E-18	1.1974	109	-0.00	1.0000
2279	methyl_butanol_whiske	5028	6024	-222E-18	1.1974	109	-0.00	1.0000
2280	methyl_butanol_whiske	6022	6024	1.11E-16	1.1974	109	0.00	1.0000
2281	pentanol__fruit_	5026	5028	-4.8938	1.8874	109	-2.59	0.4146
2282	pentanol__fruit_	4034	5028	-4.8938	1.8874	109	-2.59	0.4146
2283	pentanol__fruit_	4034	6024	-4.8938	1.8874	109	-2.59	0.4146
2284	pentanol__fruit_	5026	6024	-4.8938	1.8874	109	-2.59	0.4146
2285	pentanol__fruit_	5028	5032	4.8938	1.8874	109	2.59	0.4146
2286	pentanol__fruit_	5032	6024	-4.8938	1.8874	109	-2.59	0.4146
2287	pentanol__fruit_	5026	6028	-3.8713	1.6953	109	-2.28	0.6363
2288	pentanol__fruit_	4034	6028	-3.8713	1.6953	109	-2.28	0.6363
2289	pentanol__fruit_	5032	6028	-3.8713	1.6953	109	-2.28	0.6363
2290	pentanol__fruit_	4036	5028	-3.1282	1.6285	109	-1.92	0.8605
2291	pentanol__fruit_	4036	6024	-3.1282	1.6285	109	-1.92	0.8605
2292	pentanol__fruit_	3044	5028	-2.4564	1.5991	109	-1.54	0.9756
2293	pentanol__fruit_	4038	5028	-2.4564	1.5991	109	-1.54	0.9756
2294	pentanol__fruit_	5028	5030	2.4564	1.5991	109	1.54	0.9756
2295	pentanol__fruit_	5028	6022	2.4564	1.5991	109	1.54	0.9756
2296	pentanol__fruit_	6022	6024	-2.4564	1.5991	109	-1.54	0.9756
2297	pentanol__fruit_	3044	6024	-2.4564	1.5991	109	-1.54	0.9756
2298	pentanol__fruit_	4038	6024	-2.4564	1.5991	109	-1.54	0.9756
2299	pentanol__fruit_	5030	6024	-2.4564	1.5991	109	-1.54	0.9756
2300	pentanol__fruit_	4038	5026	2.4374	1.5905	109	1.53	0.9761

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2301	pentanol__fruit_	3044	4034	2.4374	1.5905	109	1.53	0.9761
2302	pentanol__fruit_	3044	5026	2.4374	1.5905	109	1.53	0.9761
2303	pentanol__fruit_	4034	4038	-2.4374	1.5905	109	-1.53	0.9761
2304	pentanol__fruit_	4034	5030	-2.4374	1.5905	109	-1.53	0.9761
2305	pentanol__fruit_	4034	6022	-2.4374	1.5905	109	-1.53	0.9761
2306	pentanol__fruit_	4038	5032	2.4374	1.5905	109	1.53	0.9761
2307	pentanol__fruit_	5026	5030	-2.4374	1.5905	109	-1.53	0.9761
2308	pentanol__fruit_	5026	6022	-2.4374	1.5905	109	-1.53	0.9761
2309	pentanol__fruit_	3044	5032	2.4374	1.5905	109	1.53	0.9761
2310	pentanol__fruit_	5030	5032	2.4374	1.5905	109	1.53	0.9761
2311	pentanol__fruit_	5032	6022	-2.4374	1.5905	109	-1.53	0.9761
2312	pentanol__fruit_	4036	6028	-2.1057	1.4062	109	-1.50	0.9806
2313	pentanol__fruit_	4034	4036	-1.7656	1.5890	109	-1.11	0.9991
2314	pentanol__fruit_	4036	5026	1.7656	1.5890	109	1.11	0.9991
2315	pentanol__fruit_	4036	5032	1.7656	1.5890	109	1.11	0.9991
2316	pentanol__fruit_	3044	6028	-1.4339	1.3774	109	-1.04	0.9996
2317	pentanol__fruit_	4038	6028	-1.4339	1.3774	109	-1.04	0.9996
2318	pentanol__fruit_	5030	6028	-1.4339	1.3774	109	-1.04	0.9996
2319	pentanol__fruit_	6022	6028	-1.4339	1.3774	109	-1.04	0.9996
2320	pentanol__fruit_	5028	6028	1.0225	1.6365	109	0.62	1.0000
2321	pentanol__fruit_	6024	6028	1.0225	1.6365	109	0.62	1.0000
2322	pentanol__fruit_	3044	4036	0.6718	1.2960	109	0.52	1.0000
2323	pentanol__fruit_	4036	4038	-0.6718	1.2960	109	-0.52	1.0000
2324	pentanol__fruit_	4036	5030	-0.6718	1.2960	109	-0.52	1.0000
2325	pentanol__fruit_	4036	6022	-0.6718	1.2960	109	-0.52	1.0000
2326	pentanol__fruit_	3040	3042	-142E-16	24454	109	-0.00	1.0000
2327	pentanol__fruit_	3040	3044	-23.0326	17291	109	-0.00	1.0000
2328	pentanol__fruit_	3040	3046	-533E-16	24454	109	-0.00	1.0000
2329	pentanol__fruit_	3040	4034	-20.5952	17291	109	-0.00	1.0000
2330	pentanol__fruit_	3040	4036	-22.3607	17291	109	-0.00	1.0000
2331	pentanol__fruit_	3040	4038	-23.0326	17291	109	-0.00	1.0000
2332	pentanol__fruit_	3040	4040	-497E-16	24454	109	-0.00	1.0000
2333	pentanol__fruit_	3040	5026	-20.5952	17291	109	-0.00	1.0000
2334	pentanol__fruit_	3040	5028	-25.4890	17291	109	-0.00	1.0000
2335	pentanol__fruit_	3040	5030	-23.0326	17291	109	-0.00	1.0000
2336	pentanol__fruit_	3040	5032	-20.5952	17291	109	-0.00	1.0000
2337	pentanol__fruit_	3040	6022	-23.0326	17291	109	-0.00	1.0000
2338	pentanol__fruit_	3040	6024	-25.4890	17291	109	-0.00	1.0000
2339	pentanol__fruit_	3040	6026	-46.0840	24400	109	-0.00	1.0000
2340	pentanol__fruit_	3040	6028	-24.4664	17291	109	-0.00	1.0000
2341	pentanol__fruit_	3042	3044	-23.0326	17291	109	-0.00	1.0000
2342	pentanol__fruit_	3042	3046	-391E-16	24454	109	-0.00	1.0000
2343	pentanol__fruit_	3042	4034	-20.5952	17291	109	-0.00	1.0000
2344	pentanol__fruit_	3042	4036	-22.3607	17291	109	-0.00	1.0000
2345	pentanol__fruit_	3042	4038	-23.0326	17291	109	-0.00	1.0000
2346	pentanol__fruit_	3042	4040	-355E-16	24454	109	-0.00	1.0000
2347	pentanol__fruit_	3042	5026	-20.5952	17291	109	-0.00	1.0000
2348	pentanol__fruit_	3042	5028	-25.4890	17291	109	-0.00	1.0000
2349	pentanol__fruit_	3042	5030	-23.0326	17291	109	-0.00	1.0000
2350	pentanol__fruit_	3042	5032	-20.5952	17291	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2351	pentanol__fruit_	3042	6022	-23.0326	17291	109	-0.00	1.0000
2352	pentanol__fruit_	3042	6024	-25.4890	17291	109	-0.00	1.0000
2353	pentanol__fruit_	3042	6026	-46.0840	24400	109	-0.00	1.0000
2354	pentanol__fruit_	3042	6028	-24.4664	17291	109	-0.00	1.0000
2355	pentanol__fruit_	3044	3046	23.0326	17291	109	0.00	1.0000
2356	pentanol__fruit_	3044	4038	-222E-18	1.2762	109	-0.00	1.0000
2357	pentanol__fruit_	3044	4040	23.0326	17291	109	0.00	1.0000
2358	pentanol__fruit_	3044	5030	0	1.2762	109	0.00	1.0000
2359	pentanol__fruit_	3044	6022	2.22E-16	1.2762	109	0.00	1.0000
2360	pentanol__fruit_	3044	6026	-23.0514	17215	109	-0.00	1.0000
2361	pentanol__fruit_	3046	4034	-20.5952	17291	109	-0.00	1.0000
2362	pentanol__fruit_	3046	4036	-22.3607	17291	109	-0.00	1.0000
2363	pentanol__fruit_	3046	4038	-23.0326	17291	109	-0.00	1.0000
2364	pentanol__fruit_	3046	4040	3.55E-15	24454	109	0.00	1.0000
2365	pentanol__fruit_	3046	5026	-20.5952	17291	109	-0.00	1.0000
2366	pentanol__fruit_	3046	5028	-25.4890	17291	109	-0.00	1.0000
2367	pentanol__fruit_	3046	5030	-23.0326	17291	109	-0.00	1.0000
2368	pentanol__fruit_	3046	5032	-20.5952	17291	109	-0.00	1.0000
2369	pentanol__fruit_	3046	6022	-23.0326	17291	109	-0.00	1.0000
2370	pentanol__fruit_	3046	6024	-25.4890	17291	109	-0.00	1.0000
2371	pentanol__fruit_	3046	6026	-46.0840	24400	109	-0.00	1.0000
2372	pentanol__fruit_	3046	6028	-24.4664	17291	109	-0.00	1.0000
2373	pentanol__fruit_	4034	4040	20.5952	17291	109	0.00	1.0000
2374	pentanol__fruit_	4034	5026	4.44E-16	1.7935	109	0.00	1.0000
2375	pentanol__fruit_	4034	5032	-444E-18	1.7935	109	-0.00	1.0000
2376	pentanol__fruit_	4034	6026	-25.4888	17215	109	-0.00	1.0000
2377	pentanol__fruit_	4036	4040	22.3607	17291	109	0.00	1.0000
2378	pentanol__fruit_	4036	6026	-23.7232	17215	109	-0.00	1.0000
2379	pentanol__fruit_	4038	4040	23.0326	17291	109	0.00	1.0000
2380	pentanol__fruit_	4038	5030	2.22E-16	1.2762	109	0.00	1.0000
2381	pentanol__fruit_	4038	6022	4.44E-16	1.2762	109	0.00	1.0000
2382	pentanol__fruit_	4038	6026	-23.0514	17215	109	-0.00	1.0000
2383	pentanol__fruit_	4040	5026	-20.5952	17291	109	-0.00	1.0000
2384	pentanol__fruit_	4040	5028	-25.4890	17291	109	-0.00	1.0000
2385	pentanol__fruit_	4040	5030	-23.0326	17291	109	-0.00	1.0000
2386	pentanol__fruit_	4040	5032	-20.5952	17291	109	-0.00	1.0000
2387	pentanol__fruit_	4040	6022	-23.0326	17291	109	-0.00	1.0000
2388	pentanol__fruit_	4040	6024	-25.4890	17291	109	-0.00	1.0000
2389	pentanol__fruit_	4040	6026	-46.0840	24400	109	-0.00	1.0000
2390	pentanol__fruit_	4040	6028	-24.4664	17291	109	-0.00	1.0000
2391	pentanol__fruit_	5026	5032	-888E-18	1.7935	109	-0.00	1.0000
2392	pentanol__fruit_	5026	6026	-25.4888	17215	109	-0.00	1.0000
2393	pentanol__fruit_	5028	6024	4.44E-16	1.8002	109	0.00	1.0000
2394	pentanol__fruit_	5028	6026	-20.5950	17215	109	-0.00	1.0000
2395	pentanol__fruit_	5030	6022	2.22E-16	1.2762	109	0.00	1.0000
2396	pentanol__fruit_	5030	6026	-23.0514	17215	109	-0.00	1.0000
2397	pentanol__fruit_	5032	6026	-25.4888	17215	109	-0.00	1.0000
2398	pentanol__fruit_	6022	6026	-23.0514	17215	109	-0.00	1.0000
2399	pentanol__fruit_	6024	6026	-20.5950	17215	109	-0.00	1.0000
2400	pentanol__fruit_	6026	6028	21.6175	17215	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2401	__propanol__alcohol_p	3044	4040	-3.5021	0.7906	108	-4.43	0.0023
2402	__propanol__alcohol_p	3044	6022	-3.5021	0.7906	108	-4.43	0.0023
2403	__propanol__alcohol_p	3044	4038	-2.6096	0.6847	108	-3.81	0.0198
2404	__propanol__alcohol_p	4038	4040	-0.8924	0.7071	108	-1.26	0.9964
2405	__propanol__alcohol_p	4038	6022	-0.8924	0.7071	108	-1.26	0.9964
2406	__propanol__alcohol_p	3040	3042	7.11E-15	11909	108	0.00	1.0000
2407	__propanol__alcohol_p	3040	3044	24.0970	8420.61	108	0.00	1.0000
2408	__propanol__alcohol_p	3040	3046	7.11E-15	11909	108	0.00	1.0000
2409	__propanol__alcohol_p	3040	4034	2.84E-14	11909	108	0.00	1.0000
2410	__propanol__alcohol_p	3040	4036	2.13E-14	11909	108	0.00	1.0000
2411	__propanol__alcohol_p	3040	4038	21.4874	8420.61	108	0.00	1.0000
2412	__propanol__alcohol_p	3040	4040	20.5949	8420.61	108	0.00	1.0000
2413	__propanol__alcohol_p	3040	5026	2.49E-14	11909	108	0.00	1.0000
2414	__propanol__alcohol_p	3040	5028	3.2E-14	11909	108	0.00	1.0000
2415	__propanol__alcohol_p	3040	5030	3.2E-14	11909	108	0.00	1.0000
2416	__propanol__alcohol_p	3040	5032	4.62E-14	11909	108	0.00	1.0000
2417	__propanol__alcohol_p	3040	6022	20.5949	8420.61	108	0.00	1.0000
2418	__propanol__alcohol_p	3040	6024	5.33E-14	11909	108	0.00	1.0000
2419	__propanol__alcohol_p	3040	6026	5.33E-14	11909	108	0.00	1.0000
2420	__propanol__alcohol_p	3040	6028	-1.6E-6	11909	108	-0.00	1.0000
2421	__propanol__alcohol_p	3042	3044	24.0970	8420.61	108	0.00	1.0000
2422	__propanol__alcohol_p	3042	3046	0	11909	108	0.00	1.0000
2423	__propanol__alcohol_p	3042	4034	2.13E-14	11909	108	0.00	1.0000
2424	__propanol__alcohol_p	3042	4036	1.42E-14	11909	108	0.00	1.0000
2425	__propanol__alcohol_p	3042	4038	21.4874	8420.61	108	0.00	1.0000
2426	__propanol__alcohol_p	3042	4040	20.5949	8420.61	108	0.00	1.0000
2427	__propanol__alcohol_p	3042	5026	1.78E-14	11909	108	0.00	1.0000
2428	__propanol__alcohol_p	3042	5028	2.49E-14	11909	108	0.00	1.0000
2429	__propanol__alcohol_p	3042	5030	2.49E-14	11909	108	0.00	1.0000
2430	__propanol__alcohol_p	3042	5032	3.91E-14	11909	108	0.00	1.0000
2431	__propanol__alcohol_p	3042	6022	20.5949	8420.61	108	0.00	1.0000
2432	__propanol__alcohol_p	3042	6024	4.62E-14	11909	108	0.00	1.0000
2433	__propanol__alcohol_p	3042	6026	4.62E-14	11909	108	0.00	1.0000
2434	__propanol__alcohol_p	3042	6028	-1.6E-6	11909	108	-0.00	1.0000
2435	__propanol__alcohol_p	3044	3046	-24.0970	8420.61	108	-0.00	1.0000
2436	__propanol__alcohol_p	3044	4034	-24.0970	8420.61	108	-0.00	1.0000
2437	__propanol__alcohol_p	3044	4036	-24.0970	8420.61	108	-0.00	1.0000
2438	__propanol__alcohol_p	3044	5026	-24.0970	8420.61	108	-0.00	1.0000
2439	__propanol__alcohol_p	3044	5028	-24.0970	8420.61	108	-0.00	1.0000
2440	__propanol__alcohol_p	3044	5030	-24.0970	8420.61	108	-0.00	1.0000
2441	__propanol__alcohol_p	3044	5032	-24.0970	8420.61	108	-0.00	1.0000
2442	__propanol__alcohol_p	3044	6024	-24.0970	8420.61	108	-0.00	1.0000
2443	__propanol__alcohol_p	3044	6026	-24.0970	8420.61	108	-0.00	1.0000
2444	__propanol__alcohol_p	3044	6028	-24.0970	8420.62	108	-0.00	1.0000
2445	__propanol__alcohol_p	3046	4034	2.13E-14	11909	108	0.00	1.0000
2446	__propanol__alcohol_p	3046	4036	1.42E-14	11909	108	0.00	1.0000
2447	__propanol__alcohol_p	3046	4038	21.4874	8420.61	108	0.00	1.0000
2448	__propanol__alcohol_p	3046	4040	20.5949	8420.61	108	0.00	1.0000
2449	__propanol__alcohol_p	3046	5026	1.78E-14	11909	108	0.00	1.0000
2450	__propanol__alcohol_p	3046	5028	2.49E-14	11909	108	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2451	__propanol__alcohol_p	3046	5030	2.49E-14	11909	108	0.00	1.0000
2452	__propanol__alcohol_p	3046	5032	3.91E-14	11909	108	0.00	1.0000
2453	__propanol__alcohol_p	3046	6022	20.5949	8420.61	108	0.00	1.0000
2454	__propanol__alcohol_p	3046	6024	4.62E-14	11909	108	0.00	1.0000
2455	__propanol__alcohol_p	3046	6026	4.62E-14	11909	108	0.00	1.0000
2456	__propanol__alcohol_p	3046	6028	-1.6E-6	11909	108	-0.00	1.0000
2457	__propanol__alcohol_p	4034	4036	-711E-17	11909	108	-0.00	1.0000
2458	__propanol__alcohol_p	4034	4038	21.4874	8420.61	108	0.00	1.0000
2459	__propanol__alcohol_p	4034	4040	20.5949	8420.61	108	0.00	1.0000
2460	__propanol__alcohol_p	4034	5026	-355E-17	11909	108	-0.00	1.0000
2461	__propanol__alcohol_p	4034	5028	3.55E-15	11909	108	0.00	1.0000
2462	__propanol__alcohol_p	4034	5030	3.55E-15	11909	108	0.00	1.0000
2463	__propanol__alcohol_p	4034	5032	1.78E-14	11909	108	0.00	1.0000
2464	__propanol__alcohol_p	4034	6022	20.5949	8420.61	108	0.00	1.0000
2465	__propanol__alcohol_p	4034	6024	2.49E-14	11909	108	0.00	1.0000
2466	__propanol__alcohol_p	4034	6026	2.49E-14	11909	108	0.00	1.0000
2467	__propanol__alcohol_p	4034	6028	-1.6E-6	11909	108	-0.00	1.0000
2468	__propanol__alcohol_p	4036	4038	21.4874	8420.61	108	0.00	1.0000
2469	__propanol__alcohol_p	4036	4040	20.5949	8420.61	108	0.00	1.0000
2470	__propanol__alcohol_p	4036	5026	3.55E-15	11909	108	0.00	1.0000
2471	__propanol__alcohol_p	4036	5028	1.07E-14	11909	108	0.00	1.0000
2472	__propanol__alcohol_p	4036	5030	1.07E-14	11909	108	0.00	1.0000
2473	__propanol__alcohol_p	4036	5032	2.49E-14	11909	108	0.00	1.0000
2474	__propanol__alcohol_p	4036	6022	20.5949	8420.61	108	0.00	1.0000
2475	__propanol__alcohol_p	4036	6024	3.2E-14	11909	108	0.00	1.0000
2476	__propanol__alcohol_p	4036	6026	3.2E-14	11909	108	0.00	1.0000
2477	__propanol__alcohol_p	4036	6028	-1.6E-6	11909	108	-0.00	1.0000
2478	__propanol__alcohol_p	4038	5026	-21.4874	8420.61	108	-0.00	1.0000
2479	__propanol__alcohol_p	4038	5028	-21.4874	8420.61	108	-0.00	1.0000
2480	__propanol__alcohol_p	4038	5030	-21.4874	8420.61	108	-0.00	1.0000
2481	__propanol__alcohol_p	4038	5032	-21.4874	8420.61	108	-0.00	1.0000
2482	__propanol__alcohol_p	4038	6024	-21.4874	8420.61	108	-0.00	1.0000
2483	__propanol__alcohol_p	4038	6026	-21.4874	8420.61	108	-0.00	1.0000
2484	__propanol__alcohol_p	4038	6028	-21.4874	8420.62	108	-0.00	1.0000
2485	__propanol__alcohol_p	4040	5026	-20.5949	8420.61	108	-0.00	1.0000
2486	__propanol__alcohol_p	4040	5028	-20.5949	8420.61	108	-0.00	1.0000
2487	__propanol__alcohol_p	4040	5030	-20.5949	8420.61	108	-0.00	1.0000
2488	__propanol__alcohol_p	4040	5032	-20.5949	8420.61	108	-0.00	1.0000
2489	__propanol__alcohol_p	4040	6022	0	0.7906	108	0.00	1.0000
2490	__propanol__alcohol_p	4040	6024	-20.5949	8420.61	108	-0.00	1.0000
2491	__propanol__alcohol_p	4040	6026	-20.5949	8420.61	108	-0.00	1.0000
2492	__propanol__alcohol_p	4040	6028	-20.5949	8420.62	108	-0.00	1.0000
2493	__propanol__alcohol_p	5026	5028	7.11E-15	11909	108	0.00	1.0000
2494	__propanol__alcohol_p	5026	5030	7.11E-15	11909	108	0.00	1.0000
2495	__propanol__alcohol_p	5026	5032	2.13E-14	11909	108	0.00	1.0000
2496	__propanol__alcohol_p	5026	6022	20.5949	8420.61	108	0.00	1.0000
2497	__propanol__alcohol_p	5026	6024	2.84E-14	11909	108	0.00	1.0000
2498	__propanol__alcohol_p	5026	6026	2.84E-14	11909	108	0.00	1.0000
2499	__propanol__alcohol_p	5026	6028	-1.6E-6	11909	108	-0.00	1.0000
2500	__propanol__alcohol_p	5028	5030	0	11909	108	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2501	__propanol__alcohol_p	5028	5032	1.42E-14	11909	108	0.00	1.0000
2502	__propanol__alcohol_p	5028	6022	20.5949	8420.61	108	0.00	1.0000
2503	__propanol__alcohol_p	5028	6024	2.13E-14	11909	108	0.00	1.0000
2504	__propanol__alcohol_p	5028	6026	2.13E-14	11909	108	0.00	1.0000
2505	__propanol__alcohol_p	5028	6028	-1.6E-6	11909	108	-0.00	1.0000
2506	__propanol__alcohol_p	5030	5032	1.42E-14	11909	108	0.00	1.0000
2507	__propanol__alcohol_p	5030	6022	20.5949	8420.61	108	0.00	1.0000
2508	__propanol__alcohol_p	5030	6024	2.13E-14	11909	108	0.00	1.0000
2509	__propanol__alcohol_p	5030	6026	2.13E-14	11909	108	0.00	1.0000
2510	__propanol__alcohol_p	5030	6028	-1.6E-6	11909	108	-0.00	1.0000
2511	__propanol__alcohol_p	5032	6022	20.5949	8420.61	108	0.00	1.0000
2512	__propanol__alcohol_p	5032	6024	7.11E-15	11909	108	0.00	1.0000
2513	__propanol__alcohol_p	5032	6026	7.11E-15	11909	108	0.00	1.0000
2514	__propanol__alcohol_p	5032	6028	-1.6E-6	11909	108	-0.00	1.0000
2515	__propanol__alcohol_p	6022	6024	-20.5949	8420.61	108	-0.00	1.0000
2516	__propanol__alcohol_p	6022	6026	-20.5949	8420.61	108	-0.00	1.0000
2517	__propanol__alcohol_p	6022	6028	-20.5949	8420.62	108	-0.00	1.0000
2518	__propanol__alcohol_p	6024	6026	0	11909	108	0.00	1.0000
2519	__propanol__alcohol_p	6024	6028	-1.6E-6	11909	108	-0.00	1.0000
2520	__propanol__alcohol_p	6026	6028	-1.6E-6	11909	108	-0.00	1.0000
2521	__nonanol__cucumber_	6022	6024	-3.2422	0.8763	109	-3.70	0.0280
2522	__nonanol__cucumber_	6022	6026	-2.5005	0.8401	109	-2.98	0.1967
2523	__nonanol__cucumber_	5028	6024	-2.2471	0.7726	109	-2.91	0.2282
2524	__nonanol__cucumber_	6024	6028	2.2471	0.7726	109	2.91	0.2282
2525	__nonanol__cucumber_	5028	6026	-1.5054	0.7367	109	-2.04	0.7952
2526	__nonanol__cucumber_	6026	6028	1.5054	0.7367	109	2.04	0.7952
2527	__nonanol__cucumber_	5028	6022	0.9951	0.8337	109	1.19	0.9981
2528	__nonanol__cucumber_	6022	6028	-0.9951	0.8337	109	-1.19	0.9981
2529	__nonanol__cucumber_	6024	6026	0.7417	0.7079	109	1.05	0.9996
2530	__nonanol__cucumber_	3040	3042	-711E-17	12845	109	-0.00	1.0000
2531	__nonanol__cucumber_	3040	3044	7.11E-15	12845	109	0.00	1.0000
2532	__nonanol__cucumber_	3040	3046	-711E-17	12845	109	-0.00	1.0000
2533	__nonanol__cucumber_	3040	4034	-355E-17	12845	109	-0.00	1.0000
2534	__nonanol__cucumber_	3040	4036	-355E-17	12845	109	-0.00	1.0000
2535	__nonanol__cucumber_	3040	4038	7.11E-15	12845	109	0.00	1.0000
2536	__nonanol__cucumber_	3040	4040	7.11E-15	12845	109	0.00	1.0000
2537	__nonanol__cucumber_	3040	5026	-107E-16	12845	109	-0.00	1.0000
2538	__nonanol__cucumber_	3040	5028	-21.5860	9083.12	109	-0.00	1.0000
2539	__nonanol__cucumber_	3040	5030	1.78E-14	12845	109	0.00	1.0000
2540	__nonanol__cucumber_	3040	5032	7.11E-15	12845	109	0.00	1.0000
2541	__nonanol__cucumber_	3040	6022	-20.5909	9083.12	109	-0.00	1.0000
2542	__nonanol__cucumber_	3040	6024	-23.8331	9083.12	109	-0.00	1.0000
2543	__nonanol__cucumber_	3040	6026	-23.0914	9083.12	109	-0.00	1.0000
2544	__nonanol__cucumber_	3040	6028	-21.5860	9083.12	109	-0.00	1.0000
2545	__nonanol__cucumber_	3042	3044	1.42E-14	12845	109	0.00	1.0000
2546	__nonanol__cucumber_	3042	3046	0	12845	109	0.00	1.0000
2547	__nonanol__cucumber_	3042	4034	3.55E-15	12845	109	0.00	1.0000
2548	__nonanol__cucumber_	3042	4036	3.55E-15	12845	109	0.00	1.0000
2549	__nonanol__cucumber_	3042	4038	1.42E-14	12845	109	0.00	1.0000
2550	__nonanol__cucumber_	3042	4040	1.42E-14	12845	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2551	__nonanol__cucumber_	3042	5026	-355E-17	12845	109	-0.00	1.0000
2552	__nonanol__cucumber_	3042	5028	-21.5860	9083.12	109	-0.00	1.0000
2553	__nonanol__cucumber_	3042	5030	2.49E-14	12845	109	0.00	1.0000
2554	__nonanol__cucumber_	3042	5032	1.42E-14	12845	109	0.00	1.0000
2555	__nonanol__cucumber_	3042	6022	-20.5909	9083.12	109	-0.00	1.0000
2556	__nonanol__cucumber_	3042	6024	-23.8331	9083.12	109	-0.00	1.0000
2557	__nonanol__cucumber_	3042	6026	-23.0914	9083.12	109	-0.00	1.0000
2558	__nonanol__cucumber_	3042	6028	-21.5860	9083.12	109	-0.00	1.0000
2559	__nonanol__cucumber_	3044	3046	-142E-16	12845	109	-0.00	1.0000
2560	__nonanol__cucumber_	3044	4034	-107E-16	12845	109	-0.00	1.0000
2561	__nonanol__cucumber_	3044	4036	-107E-16	12845	109	-0.00	1.0000
2562	__nonanol__cucumber_	3044	4038	0	12845	109	0.00	1.0000
2563	__nonanol__cucumber_	3044	4040	0	12845	109	0.00	1.0000
2564	__nonanol__cucumber_	3044	5026	-178E-16	12845	109	-0.00	1.0000
2565	__nonanol__cucumber_	3044	5028	-21.5860	9083.12	109	-0.00	1.0000
2566	__nonanol__cucumber_	3044	5030	1.07E-14	12845	109	0.00	1.0000
2567	__nonanol__cucumber_	3044	5032	0	12845	109	0.00	1.0000
2568	__nonanol__cucumber_	3044	6022	-20.5909	9083.12	109	-0.00	1.0000
2569	__nonanol__cucumber_	3044	6024	-23.8331	9083.12	109	-0.00	1.0000
2570	__nonanol__cucumber_	3044	6026	-23.0914	9083.12	109	-0.00	1.0000
2571	__nonanol__cucumber_	3044	6028	-21.5860	9083.12	109	-0.00	1.0000
2572	__nonanol__cucumber_	3046	4034	3.55E-15	12845	109	0.00	1.0000
2573	__nonanol__cucumber_	3046	4036	3.55E-15	12845	109	0.00	1.0000
2574	__nonanol__cucumber_	3046	4038	1.42E-14	12845	109	0.00	1.0000
2575	__nonanol__cucumber_	3046	4040	1.42E-14	12845	109	0.00	1.0000
2576	__nonanol__cucumber_	3046	5026	-355E-17	12845	109	-0.00	1.0000
2577	__nonanol__cucumber_	3046	5028	-21.5860	9083.12	109	-0.00	1.0000
2578	__nonanol__cucumber_	3046	5030	2.49E-14	12845	109	0.00	1.0000
2579	__nonanol__cucumber_	3046	5032	1.42E-14	12845	109	0.00	1.0000
2580	__nonanol__cucumber_	3046	6022	-20.5909	9083.12	109	-0.00	1.0000
2581	__nonanol__cucumber_	3046	6024	-23.8331	9083.12	109	-0.00	1.0000
2582	__nonanol__cucumber_	3046	6026	-23.0914	9083.12	109	-0.00	1.0000
2583	__nonanol__cucumber_	3046	6028	-21.5860	9083.12	109	-0.00	1.0000
2584	__nonanol__cucumber_	4034	4036	0	12845	109	0.00	1.0000
2585	__nonanol__cucumber_	4034	4038	1.07E-14	12845	109	0.00	1.0000
2586	__nonanol__cucumber_	4034	4040	1.07E-14	12845	109	0.00	1.0000
2587	__nonanol__cucumber_	4034	5026	-711E-17	12845	109	-0.00	1.0000
2588	__nonanol__cucumber_	4034	5028	-21.5860	9083.12	109	-0.00	1.0000
2589	__nonanol__cucumber_	4034	5030	2.13E-14	12845	109	0.00	1.0000
2590	__nonanol__cucumber_	4034	5032	1.07E-14	12845	109	0.00	1.0000
2591	__nonanol__cucumber_	4034	6022	-20.5909	9083.12	109	-0.00	1.0000
2592	__nonanol__cucumber_	4034	6024	-23.8331	9083.12	109	-0.00	1.0000
2593	__nonanol__cucumber_	4034	6026	-23.0914	9083.12	109	-0.00	1.0000
2594	__nonanol__cucumber_	4034	6028	-21.5860	9083.12	109	-0.00	1.0000
2595	__nonanol__cucumber_	4036	4038	1.07E-14	12845	109	0.00	1.0000
2596	__nonanol__cucumber_	4036	4040	1.07E-14	12845	109	0.00	1.0000
2597	__nonanol__cucumber_	4036	5026	-711E-17	12845	109	-0.00	1.0000
2598	__nonanol__cucumber_	4036	5028	-21.5860	9083.12	109	-0.00	1.0000
2599	__nonanol__cucumber_	4036	5030	2.13E-14	12845	109	0.00	1.0000
2600	__nonanol__cucumber_	4036	5032	1.07E-14	12845	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2601	__nonanol__cucumber_	4036	6022	-20.5909	9083.12	109	-0.00	1.0000
2602	__nonanol__cucumber_	4036	6024	-23.8331	9083.12	109	-0.00	1.0000
2603	__nonanol__cucumber_	4036	6026	-23.0914	9083.12	109	-0.00	1.0000
2604	__nonanol__cucumber_	4036	6028	-21.5860	9083.12	109	-0.00	1.0000
2605	__nonanol__cucumber_	4038	4040	0	12845	109	0.00	1.0000
2606	__nonanol__cucumber_	4038	5026	-178E-16	12845	109	-0.00	1.0000
2607	__nonanol__cucumber_	4038	5028	-21.5860	9083.12	109	-0.00	1.0000
2608	__nonanol__cucumber_	4038	5030	1.07E-14	12845	109	0.00	1.0000
2609	__nonanol__cucumber_	4038	5032	0	12845	109	0.00	1.0000
2610	__nonanol__cucumber_	4038	6022	-20.5909	9083.12	109	-0.00	1.0000
2611	__nonanol__cucumber_	4038	6024	-23.8331	9083.12	109	-0.00	1.0000
2612	__nonanol__cucumber_	4038	6026	-23.0914	9083.12	109	-0.00	1.0000
2613	__nonanol__cucumber_	4038	6028	-21.5860	9083.12	109	-0.00	1.0000
2614	__nonanol__cucumber_	4040	5026	-178E-16	12845	109	-0.00	1.0000
2615	__nonanol__cucumber_	4040	5028	-21.5860	9083.12	109	-0.00	1.0000
2616	__nonanol__cucumber_	4040	5030	1.07E-14	12845	109	0.00	1.0000
2617	__nonanol__cucumber_	4040	5032	0	12845	109	0.00	1.0000
2618	__nonanol__cucumber_	4040	6022	-20.5909	9083.12	109	-0.00	1.0000
2619	__nonanol__cucumber_	4040	6024	-23.8331	9083.12	109	-0.00	1.0000
2620	__nonanol__cucumber_	4040	6026	-23.0914	9083.12	109	-0.00	1.0000
2621	__nonanol__cucumber_	4040	6028	-21.5860	9083.12	109	-0.00	1.0000
2622	__nonanol__cucumber_	5026	5028	-21.5860	9083.12	109	-0.00	1.0000
2623	__nonanol__cucumber_	5026	5030	2.84E-14	12845	109	0.00	1.0000
2624	__nonanol__cucumber_	5026	5032	1.78E-14	12845	109	0.00	1.0000
2625	__nonanol__cucumber_	5026	6022	-20.5909	9083.12	109	-0.00	1.0000
2626	__nonanol__cucumber_	5026	6024	-23.8331	9083.12	109	-0.00	1.0000
2627	__nonanol__cucumber_	5026	6026	-23.0914	9083.12	109	-0.00	1.0000
2628	__nonanol__cucumber_	5026	6028	-21.5860	9083.12	109	-0.00	1.0000
2629	__nonanol__cucumber_	5028	5030	21.5860	9083.12	109	0.00	1.0000
2630	__nonanol__cucumber_	5028	5032	21.5860	9083.12	109	0.00	1.0000
2631	__nonanol__cucumber_	5028	6028	5.75E-16	0.7400	109	0.00	1.0000
2632	__nonanol__cucumber_	5030	5032	-107E-16	12845	109	-0.00	1.0000
2633	__nonanol__cucumber_	5030	6022	-20.5909	9083.12	109	-0.00	1.0000
2634	__nonanol__cucumber_	5030	6024	-23.8331	9083.12	109	-0.00	1.0000
2635	__nonanol__cucumber_	5030	6026	-23.0914	9083.12	109	-0.00	1.0000
2636	__nonanol__cucumber_	5030	6028	-21.5860	9083.12	109	-0.00	1.0000
2637	__nonanol__cucumber_	5032	6022	-20.5909	9083.12	109	-0.00	1.0000
2638	__nonanol__cucumber_	5032	6024	-23.8331	9083.12	109	-0.00	1.0000
2639	__nonanol__cucumber_	5032	6026	-23.0914	9083.12	109	-0.00	1.0000
2640	__nonanol__cucumber_	5032	6028	-21.5860	9083.12	109	-0.00	1.0000
2641	Benzoic_Acid__urine_	3040	4038	-3.3541	0.9345	109	-3.59	0.0393
2642	Benzoic_Acid__urine_	3040	5026	-2.4494	0.8103	109	-3.02	0.1772
2643	Benzoic_Acid__urine_	4034	4038	-2.7034	0.8956	109	-3.02	0.1790
2644	Benzoic_Acid__urine_	3040	3044	-1.8003	0.7675	109	-2.35	0.5914
2645	Benzoic_Acid__urine_	3040	3046	-1.8003	0.7675	109	-2.35	0.5914
2646	Benzoic_Acid__urine_	4034	5026	-1.7987	0.7668	109	-2.35	0.5914
2647	Benzoic_Acid__urine_	3046	4038	-1.5538	0.8842	109	-1.76	0.9257
2648	Benzoic_Acid__urine_	3044	4038	-1.5538	0.8842	109	-1.76	0.9257
2649	Benzoic_Acid__urine_	3044	4034	1.1496	0.7235	109	1.59	0.9671
2650	Benzoic_Acid__urine_	3046	4034	1.1496	0.7235	109	1.59	0.9671

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2651	Benzoic_Acid__urine_	4038	5026	0.9047	0.9130	109	0.99	0.9998
2652	Benzoic_Acid__urine_	3040	4034	-0.6507	0.7584	109	-0.86	1.0000
2653	Benzoic_Acid__urine_	3044	5026	-0.6490	0.7573	109	-0.86	1.0000
2654	Benzoic_Acid__urine_	3046	5026	-0.6490	0.7573	109	-0.86	1.0000
2655	Benzoic_Acid__urine_	3040	3042	-23.9656	10867	109	-0.00	1.0000
2656	Benzoic_Acid__urine_	3040	4036	-23.9656	10867	109	-0.00	1.0000
2657	Benzoic_Acid__urine_	3040	4040	-23.9656	10867	109	-0.00	1.0000
2658	Benzoic_Acid__urine_	3040	5028	-23.9656	10867	109	-0.00	1.0000
2659	Benzoic_Acid__urine_	3040	5030	-23.9656	10867	109	-0.00	1.0000
2660	Benzoic_Acid__urine_	3040	5032	-23.9656	10867	109	-0.00	1.0000
2661	Benzoic_Acid__urine_	3040	6022	-23.9656	10867	109	-0.00	1.0000
2662	Benzoic_Acid__urine_	3040	6024	-23.9656	10867	109	-0.00	1.0000
2663	Benzoic_Acid__urine_	3040	6026	-23.9656	10867	109	-0.00	1.0000
2664	Benzoic_Acid__urine_	3040	6028	-23.9657	10867	109	-0.00	1.0000
2665	Benzoic_Acid__urine_	3042	3044	22.1653	10867	109	0.00	1.0000
2666	Benzoic_Acid__urine_	3042	3046	22.1653	10867	109	0.00	1.0000
2667	Benzoic_Acid__urine_	3042	4034	23.3149	10867	109	0.00	1.0000
2668	Benzoic_Acid__urine_	3042	4036	-27E-19	15368	109	-0.00	1.0000
2669	Benzoic_Acid__urine_	3042	4038	20.6115	10867	109	0.00	1.0000
2670	Benzoic_Acid__urine_	3042	4040	-27E-19	15368	109	-0.00	1.0000
2671	Benzoic_Acid__urine_	3042	5026	21.5163	10867	109	0.00	1.0000
2672	Benzoic_Acid__urine_	3042	5028	9.12E-16	15368	109	0.00	1.0000
2673	Benzoic_Acid__urine_	3042	5030	9.12E-16	15368	109	0.00	1.0000
2674	Benzoic_Acid__urine_	3042	5032	9.12E-16	15368	109	0.00	1.0000
2675	Benzoic_Acid__urine_	3042	6022	9.12E-16	15368	109	0.00	1.0000
2676	Benzoic_Acid__urine_	3042	6024	9.12E-16	15368	109	0.00	1.0000
2677	Benzoic_Acid__urine_	3042	6026	-27E-16	15368	109	-0.00	1.0000
2678	Benzoic_Acid__urine_	3042	6028	-0.00006	15369	109	-0.00	1.0000
2679	Benzoic_Acid__urine_	3044	3046	0	0.7181	109	0.00	1.0000
2680	Benzoic_Acid__urine_	3044	4036	-22.1653	10867	109	-0.00	1.0000
2681	Benzoic_Acid__urine_	3044	4040	-22.1653	10867	109	-0.00	1.0000
2682	Benzoic_Acid__urine_	3044	5028	-22.1653	10867	109	-0.00	1.0000
2683	Benzoic_Acid__urine_	3044	5030	-22.1653	10867	109	-0.00	1.0000
2684	Benzoic_Acid__urine_	3044	5032	-22.1653	10867	109	-0.00	1.0000
2685	Benzoic_Acid__urine_	3044	6022	-22.1653	10867	109	-0.00	1.0000
2686	Benzoic_Acid__urine_	3044	6024	-22.1653	10867	109	-0.00	1.0000
2687	Benzoic_Acid__urine_	3044	6026	-22.1653	10867	109	-0.00	1.0000
2688	Benzoic_Acid__urine_	3044	6028	-22.1654	10867	109	-0.00	1.0000
2689	Benzoic_Acid__urine_	3046	4036	-22.1653	10867	109	-0.00	1.0000
2690	Benzoic_Acid__urine_	3046	4040	-22.1653	10867	109	-0.00	1.0000
2691	Benzoic_Acid__urine_	3046	5028	-22.1653	10867	109	-0.00	1.0000
2692	Benzoic_Acid__urine_	3046	5030	-22.1653	10867	109	-0.00	1.0000
2693	Benzoic_Acid__urine_	3046	5032	-22.1653	10867	109	-0.00	1.0000
2694	Benzoic_Acid__urine_	3046	6022	-22.1653	10867	109	-0.00	1.0000
2695	Benzoic_Acid__urine_	3046	6024	-22.1653	10867	109	-0.00	1.0000
2696	Benzoic_Acid__urine_	3046	6026	-22.1653	10867	109	-0.00	1.0000
2697	Benzoic_Acid__urine_	3046	6028	-22.1654	10867	109	-0.00	1.0000
2698	Benzoic_Acid__urine_	4034	4036	-23.3149	10867	109	-0.00	1.0000
2699	Benzoic_Acid__urine_	4034	4040	-23.3149	10867	109	-0.00	1.0000
2700	Benzoic_Acid__urine_	4034	5028	-23.3149	10867	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2701	Benzoic_Acid__urine_	4034	5030	-23.3149	10867	109	-0.00	1.0000
2702	Benzoic_Acid__urine_	4034	5032	-23.3149	10867	109	-0.00	1.0000
2703	Benzoic_Acid__urine_	4034	6022	-23.3149	10867	109	-0.00	1.0000
2704	Benzoic_Acid__urine_	4034	6024	-23.3149	10867	109	-0.00	1.0000
2705	Benzoic_Acid__urine_	4034	6026	-23.3149	10867	109	-0.00	1.0000
2706	Benzoic_Acid__urine_	4034	6028	-23.3150	10867	109	-0.00	1.0000
2707	Benzoic_Acid__urine_	4036	4038	20.6115	10867	109	0.00	1.0000
2708	Benzoic_Acid__urine_	4036	4040	0	15368	109	0.00	1.0000
2709	Benzoic_Acid__urine_	4036	5026	21.5163	10867	109	0.00	1.0000
2710	Benzoic_Acid__urine_	4036	5028	9.15E-16	15368	109	0.00	1.0000
2711	Benzoic_Acid__urine_	4036	5030	9.15E-16	15368	109	0.00	1.0000
2712	Benzoic_Acid__urine_	4036	5032	9.15E-16	15368	109	0.00	1.0000
2713	Benzoic_Acid__urine_	4036	6022	9.15E-16	15368	109	0.00	1.0000
2714	Benzoic_Acid__urine_	4036	6024	9.15E-16	15368	109	0.00	1.0000
2715	Benzoic_Acid__urine_	4036	6026	-27E-16	15368	109	-0.00	1.0000
2716	Benzoic_Acid__urine_	4036	6028	-0.00006	15369	109	-0.00	1.0000
2717	Benzoic_Acid__urine_	4038	4040	-20.6115	10867	109	-0.00	1.0000
2718	Benzoic_Acid__urine_	4038	5028	-20.6115	10867	109	-0.00	1.0000
2719	Benzoic_Acid__urine_	4038	5030	-20.6115	10867	109	-0.00	1.0000
2720	Benzoic_Acid__urine_	4038	5032	-20.6115	10867	109	-0.00	1.0000
2721	Benzoic_Acid__urine_	4038	6022	-20.6115	10867	109	-0.00	1.0000
2722	Benzoic_Acid__urine_	4038	6024	-20.6115	10867	109	-0.00	1.0000
2723	Benzoic_Acid__urine_	4038	6026	-20.6115	10867	109	-0.00	1.0000
2724	Benzoic_Acid__urine_	4038	6028	-20.6116	10867	109	-0.00	1.0000
2725	Benzoic_Acid__urine_	4040	5026	21.5163	10867	109	0.00	1.0000
2726	Benzoic_Acid__urine_	4040	5028	9.15E-16	15368	109	0.00	1.0000
2727	Benzoic_Acid__urine_	4040	5030	9.15E-16	15368	109	0.00	1.0000
2728	Benzoic_Acid__urine_	4040	5032	9.15E-16	15368	109	0.00	1.0000
2729	Benzoic_Acid__urine_	4040	6022	9.15E-16	15368	109	0.00	1.0000
2730	Benzoic_Acid__urine_	4040	6024	9.15E-16	15368	109	0.00	1.0000
2731	Benzoic_Acid__urine_	4040	6026	-27E-16	15368	109	-0.00	1.0000
2732	Benzoic_Acid__urine_	4040	6028	-0.00006	15369	109	-0.00	1.0000
2733	Benzoic_Acid__urine_	5026	5028	-21.5163	10867	109	-0.00	1.0000
2734	Benzoic_Acid__urine_	5026	5030	-21.5163	10867	109	-0.00	1.0000
2735	Benzoic_Acid__urine_	5026	5032	-21.5163	10867	109	-0.00	1.0000
2736	Benzoic_Acid__urine_	5026	6022	-21.5163	10867	109	-0.00	1.0000
2737	Benzoic_Acid__urine_	5026	6024	-21.5163	10867	109	-0.00	1.0000
2738	Benzoic_Acid__urine_	5026	6026	-21.5163	10867	109	-0.00	1.0000
2739	Benzoic_Acid__urine_	5026	6028	-21.5163	10867	109	-0.00	1.0000
2740	Benzoic_Acid__urine_	5028	5030	0	15368	109	0.00	1.0000
2741	Benzoic_Acid__urine_	5028	5032	0	15368	109	0.00	1.0000
2742	Benzoic_Acid__urine_	5028	6022	0	15368	109	0.00	1.0000
2743	Benzoic_Acid__urine_	5028	6024	6.78E-21	15368	109	0.00	1.0000
2744	Benzoic_Acid__urine_	5028	6026	-361E-17	15368	109	-0.00	1.0000
2745	Benzoic_Acid__urine_	5028	6028	-0.00006	15369	109	-0.00	1.0000
2746	Benzoic_Acid__urine_	5030	5032	0	15368	109	0.00	1.0000
2747	Benzoic_Acid__urine_	5030	6022	0	15368	109	0.00	1.0000
2748	Benzoic_Acid__urine_	5030	6024	6.78E-21	15368	109	0.00	1.0000
2749	Benzoic_Acid__urine_	5030	6026	-361E-17	15368	109	-0.00	1.0000
2750	Benzoic_Acid__urine_	5030	6028	-0.00006	15369	109	-0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2751	Benzoic_Acid__urine_	5032	6022	0	15368	109	0.00	1.0000
2752	Benzoic_Acid__urine_	5032	6024	6.78E-21	15368	109	0.00	1.0000
2753	Benzoic_Acid__urine_	5032	6026	-361E-17	15368	109	-0.00	1.0000
2754	Benzoic_Acid__urine_	5032	6028	-0.00006	15369	109	-0.00	1.0000
2755	Benzoic_Acid__urine_	6022	6024	6.78E-21	15368	109	0.00	1.0000
2756	Benzoic_Acid__urine_	6022	6026	-361E-17	15368	109	-0.00	1.0000
2757	Benzoic_Acid__urine_	6022	6028	-0.00006	15369	109	-0.00	1.0000
2758	Benzoic_Acid__urine_	6024	6026	-361E-17	15368	109	-0.00	1.0000
2759	Benzoic_Acid__urine_	6024	6028	-0.00006	15369	109	-0.00	1.0000
2760	Benzoic_Acid__urine_	6026	6028	-0.00006	15369	109	-0.00	1.0000
2761	octanoic_acid__sweat_	3040	6028	-3.9799	1.3762	109	-2.89	0.2364
2762	octanoic_acid__sweat_	5026	6028	-3.9799	1.3762	109	-2.89	0.2364
2763	octanoic_acid__sweat_	3040	3042	-3.1180	1.2260	109	-2.54	0.4489
2764	octanoic_acid__sweat_	3040	5028	-3.1180	1.2260	109	-2.54	0.4489
2765	octanoic_acid__sweat_	3042	5026	3.1180	1.2260	109	2.54	0.4489
2766	octanoic_acid__sweat_	5026	5028	-3.1180	1.2260	109	-2.54	0.4489
2767	octanoic_acid__sweat_	4034	6028	-3.1179	1.2260	109	-2.54	0.4489
2768	octanoic_acid__sweat_	3042	4034	2.2559	1.0550	109	2.14	0.7363
2769	octanoic_acid__sweat_	4034	5028	-2.2559	1.0550	109	-2.14	0.7363
2770	octanoic_acid__sweat_	3040	4036	-2.5155	1.1797	109	-2.13	0.7403
2771	octanoic_acid__sweat_	3040	4040	-2.5155	1.1797	109	-2.13	0.7403
2772	octanoic_acid__sweat_	4036	5026	2.5155	1.1797	109	2.13	0.7403
2773	octanoic_acid__sweat_	4040	5026	2.5155	1.1797	109	2.13	0.7403
2774	octanoic_acid__sweat_	3046	6028	-2.5154	1.1796	109	-2.13	0.7403
2775	octanoic_acid__sweat_	3040	5032	-1.9901	1.1671	109	-1.71	0.9411
2776	octanoic_acid__sweat_	3040	6022	-1.9901	1.1671	109	-1.71	0.9411
2777	octanoic_acid__sweat_	5026	5032	-1.9901	1.1671	109	-1.71	0.9411
2778	octanoic_acid__sweat_	5026	6022	-1.9901	1.1671	109	-1.71	0.9411
2779	octanoic_acid__sweat_	5032	6028	-1.9899	1.1670	109	-1.71	0.9411
2780	octanoic_acid__sweat_	6022	6028	-1.9899	1.1670	109	-1.71	0.9411
2781	octanoic_acid__sweat_	4034	4036	-1.6535	1.0010	109	-1.65	0.9544
2782	octanoic_acid__sweat_	4034	4040	-1.6535	1.0010	109	-1.65	0.9544
2783	octanoic_acid__sweat_	3042	3046	1.6534	1.0010	109	1.65	0.9544
2784	octanoic_acid__sweat_	3046	5028	-1.6534	1.0010	109	-1.65	0.9544
2785	octanoic_acid__sweat_	3040	3046	-1.4645	1.1778	109	-1.24	0.9970
2786	octanoic_acid__sweat_	3046	5026	1.4645	1.1778	109	1.24	0.9970
2787	octanoic_acid__sweat_	4036	6028	-1.4644	1.1777	109	-1.24	0.9970
2788	octanoic_acid__sweat_	4040	6028	-1.4644	1.1777	109	-1.24	0.9970
2789	octanoic_acid__sweat_	4034	5032	-1.1280	0.9865	109	-1.14	0.9988
2790	octanoic_acid__sweat_	4034	6022	-1.1280	0.9865	109	-1.14	0.9988
2791	octanoic_acid__sweat_	3042	5032	1.1279	0.9865	109	1.14	0.9988
2792	octanoic_acid__sweat_	3042	6022	1.1279	0.9865	109	1.14	0.9988
2793	octanoic_acid__sweat_	5028	5032	1.1279	0.9865	109	1.14	0.9988
2794	octanoic_acid__sweat_	5028	6022	1.1279	0.9865	109	1.14	0.9988
2795	octanoic_acid__sweat_	3046	4036	-1.0510	0.9444	109	-1.11	0.9991
2796	octanoic_acid__sweat_	3046	4040	-1.0510	0.9444	109	-1.11	0.9991
2797	octanoic_acid__sweat_	3040	4034	-0.8620	1.2225	109	-0.71	1.0000
2798	octanoic_acid__sweat_	4034	5026	0.8620	1.2225	109	0.71	1.0000
2799	octanoic_acid__sweat_	3042	6028	-0.8619	1.2224	109	-0.71	1.0000
2800	octanoic_acid__sweat_	5028	6028	-0.8619	1.2224	109	-0.71	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2801	octanoic_acid__sweat_	3046	4034	0.6025	0.9996	109	0.60	1.0000
2802	octanoic_acid__sweat_	3042	4036	0.6024	0.9995	109	0.60	1.0000
2803	octanoic_acid__sweat_	3042	4040	0.6024	0.9995	109	0.60	1.0000
2804	octanoic_acid__sweat_	4036	5028	-0.6024	0.9995	109	-0.60	1.0000
2805	octanoic_acid__sweat_	4040	5028	-0.6024	0.9995	109	-0.60	1.0000
2806	octanoic_acid__sweat_	3046	5032	-0.5255	0.9294	109	-0.57	1.0000
2807	octanoic_acid__sweat_	3046	6022	-0.5255	0.9294	109	-0.57	1.0000
2808	octanoic_acid__sweat_	4036	5032	0.5255	0.9293	109	0.57	1.0000
2809	octanoic_acid__sweat_	4036	6022	0.5255	0.9293	109	0.57	1.0000
2810	octanoic_acid__sweat_	4040	5032	0.5255	0.9293	109	0.57	1.0000
2811	octanoic_acid__sweat_	4040	6022	0.5255	0.9293	109	0.57	1.0000
2812	octanoic_acid__sweat_	3040	3044	-24.5935	15197	109	-0.00	1.0000
2813	octanoic_acid__sweat_	3040	4038	-24.5935	15197	109	-0.00	1.0000
2814	octanoic_acid__sweat_	3040	5026	0	1.3715	109	0.00	1.0000
2815	octanoic_acid__sweat_	3040	5030	-24.5935	15197	109	-0.00	1.0000
2816	octanoic_acid__sweat_	3040	6024	-24.5935	15197	109	-0.00	1.0000
2817	octanoic_acid__sweat_	3040	6026	-24.5935	15197	109	-0.00	1.0000
2818	octanoic_acid__sweat_	3042	3044	-21.4756	15197	109	-0.00	1.0000
2819	octanoic_acid__sweat_	3042	4038	-21.4756	15197	109	-0.00	1.0000
2820	octanoic_acid__sweat_	3042	5028	1.11E-16	1.0521	109	0.00	1.0000
2821	octanoic_acid__sweat_	3042	5030	-21.4756	15197	109	-0.00	1.0000
2822	octanoic_acid__sweat_	3042	6024	-21.4756	15197	109	-0.00	1.0000
2823	octanoic_acid__sweat_	3042	6026	-21.4756	15197	109	-0.00	1.0000
2824	octanoic_acid__sweat_	3044	3046	23.1290	15197	109	0.00	1.0000
2825	octanoic_acid__sweat_	3044	4034	23.7315	15197	109	0.00	1.0000
2826	octanoic_acid__sweat_	3044	4036	22.0780	15197	109	0.00	1.0000
2827	octanoic_acid__sweat_	3044	4038	7.11E-15	21492	109	0.00	1.0000
2828	octanoic_acid__sweat_	3044	4040	22.0780	15197	109	0.00	1.0000
2829	octanoic_acid__sweat_	3044	5026	24.5935	15197	109	0.00	1.0000
2830	octanoic_acid__sweat_	3044	5028	21.4756	15197	109	0.00	1.0000
2831	octanoic_acid__sweat_	3044	5030	1.07E-14	21492	109	0.00	1.0000
2832	octanoic_acid__sweat_	3044	5032	22.6035	15197	109	0.00	1.0000
2833	octanoic_acid__sweat_	3044	6022	22.6035	15197	109	0.00	1.0000
2834	octanoic_acid__sweat_	3044	6024	-107E-16	21492	109	-0.00	1.0000
2835	octanoic_acid__sweat_	3044	6026	-107E-16	21492	109	-0.00	1.0000
2836	octanoic_acid__sweat_	3044	6028	20.6136	15197	109	0.00	1.0000
2837	octanoic_acid__sweat_	3046	4038	-23.1290	15197	109	-0.00	1.0000
2838	octanoic_acid__sweat_	3046	5030	-23.1290	15197	109	-0.00	1.0000
2839	octanoic_acid__sweat_	3046	6024	-23.1290	15197	109	-0.00	1.0000
2840	octanoic_acid__sweat_	3046	6026	-23.1290	15197	109	-0.00	1.0000
2841	octanoic_acid__sweat_	4034	4038	-23.7315	15197	109	-0.00	1.0000
2842	octanoic_acid__sweat_	4034	5030	-23.7315	15197	109	-0.00	1.0000
2843	octanoic_acid__sweat_	4034	6024	-23.7315	15197	109	-0.00	1.0000
2844	octanoic_acid__sweat_	4034	6026	-23.7315	15197	109	-0.00	1.0000
2845	octanoic_acid__sweat_	4036	4038	-22.0780	15197	109	-0.00	1.0000
2846	octanoic_acid__sweat_	4036	4040	2.22E-16	0.9436	109	0.00	1.0000
2847	octanoic_acid__sweat_	4036	5030	-22.0780	15197	109	-0.00	1.0000
2848	octanoic_acid__sweat_	4036	6024	-22.0780	15197	109	-0.00	1.0000
2849	octanoic_acid__sweat_	4036	6026	-22.0780	15197	109	-0.00	1.0000
2850	octanoic_acid__sweat_	4038	4040	22.0780	15197	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2851	octanoic_acid__sweat_	4038	5026	24.5935	15197	109	0.00	1.0000
2852	octanoic_acid__sweat_	4038	5028	21.4756	15197	109	0.00	1.0000
2853	octanoic_acid__sweat_	4038	5030	3.55E-15	21492	109	0.00	1.0000
2854	octanoic_acid__sweat_	4038	5032	22.6035	15197	109	0.00	1.0000
2855	octanoic_acid__sweat_	4038	6022	22.6035	15197	109	0.00	1.0000
2856	octanoic_acid__sweat_	4038	6024	-178E-16	21492	109	-0.00	1.0000
2857	octanoic_acid__sweat_	4038	6026	-178E-16	21492	109	-0.00	1.0000
2858	octanoic_acid__sweat_	4038	6028	20.6136	15197	109	0.00	1.0000
2859	octanoic_acid__sweat_	4040	5030	-22.0780	15197	109	-0.00	1.0000
2860	octanoic_acid__sweat_	4040	6024	-22.0780	15197	109	-0.00	1.0000
2861	octanoic_acid__sweat_	4040	6026	-22.0780	15197	109	-0.00	1.0000
2862	octanoic_acid__sweat_	5026	5030	-24.5935	15197	109	-0.00	1.0000
2863	octanoic_acid__sweat_	5026	6024	-24.5935	15197	109	-0.00	1.0000
2864	octanoic_acid__sweat_	5026	6026	-24.5935	15197	109	-0.00	1.0000
2865	octanoic_acid__sweat_	5028	5030	-21.4756	15197	109	-0.00	1.0000
2866	octanoic_acid__sweat_	5028	6024	-21.4756	15197	109	-0.00	1.0000
2867	octanoic_acid__sweat_	5028	6026	-21.4756	15197	109	-0.00	1.0000
2868	octanoic_acid__sweat_	5030	5032	22.6035	15197	109	0.00	1.0000
2869	octanoic_acid__sweat_	5030	6022	22.6035	15197	109	0.00	1.0000
2870	octanoic_acid__sweat_	5030	6024	-213E-16	21492	109	-0.00	1.0000
2871	octanoic_acid__sweat_	5030	6026	-213E-16	21492	109	-0.00	1.0000
2872	octanoic_acid__sweat_	5030	6028	20.6136	15197	109	0.00	1.0000
2873	octanoic_acid__sweat_	5032	6022	0	0.9145	109	0.00	1.0000
2874	octanoic_acid__sweat_	5032	6024	-22.6035	15197	109	-0.00	1.0000
2875	octanoic_acid__sweat_	5032	6026	-22.6035	15197	109	-0.00	1.0000
2876	octanoic_acid__sweat_	6022	6024	-22.6035	15197	109	-0.00	1.0000
2877	octanoic_acid__sweat_	6022	6026	-22.6035	15197	109	-0.00	1.0000
2878	octanoic_acid__sweat_	6024	6026	0	21492	109	0.00	1.0000
2879	octanoic_acid__sweat_	6024	6028	20.6136	15197	109	0.00	1.0000
2880	octanoic_acid__sweat_	6026	6028	20.6136	15197	109	0.00	1.0000
2881	butanedione__diacetyl	3044	6024	-3.9941	1.3355	109	-2.99	0.1906
2882	butanedione__diacetyl	3044	6026	-3.9941	1.3355	109	-2.99	0.1906
2883	butanedione__diacetyl	5028	6026	-3.9941	1.3355	109	-2.99	0.1906
2884	butanedione__diacetyl	5030	6026	-3.9941	1.3355	109	-2.99	0.1906
2885	butanedione__diacetyl	4036	6024	-3.9941	1.3355	109	-2.99	0.1906
2886	butanedione__diacetyl	4036	6026	-3.9941	1.3355	109	-2.99	0.1906
2887	butanedione__diacetyl	5026	6024	-3.9941	1.3355	109	-2.99	0.1906
2888	butanedione__diacetyl	5026	6026	-3.9941	1.3355	109	-2.99	0.1906
2889	butanedione__diacetyl	5028	6024	-3.9941	1.3355	109	-2.99	0.1906
2890	butanedione__diacetyl	5030	6024	-3.9941	1.3355	109	-2.99	0.1906
2891	butanedione__diacetyl	3044	6022	-3.1329	1.1907	109	-2.63	0.3889
2892	butanedione__diacetyl	5028	6022	-3.1329	1.1907	109	-2.63	0.3889
2893	butanedione__diacetyl	5030	6022	-3.1329	1.1907	109	-2.63	0.3889
2894	butanedione__diacetyl	4036	6022	-3.1329	1.1907	109	-2.63	0.3889
2895	butanedione__diacetyl	5026	6022	-3.1329	1.1907	109	-2.63	0.3889
2896	butanedione__diacetyl	3044	6028	-2.5299	1.1460	109	-2.21	0.6899
2897	butanedione__diacetyl	5028	6028	-2.5299	1.1460	109	-2.21	0.6899
2898	butanedione__diacetyl	5030	6028	-2.5299	1.1460	109	-2.21	0.6899
2899	butanedione__diacetyl	5026	6028	-2.5299	1.1460	109	-2.21	0.6899
2900	butanedione__diacetyl	4036	6028	-2.5299	1.1460	109	-2.21	0.6899

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2901	butanedione__diacetyl	3040	6026	-2.5199	1.1430	109	-2.20	0.6918
2902	butanedione__diacetyl	4034	6026	-2.5199	1.1430	109	-2.20	0.6918
2903	butanedione__diacetyl	3040	6024	-2.5199	1.1430	109	-2.20	0.6918
2904	butanedione__diacetyl	4034	6024	-2.5199	1.1430	109	-2.20	0.6918
2905	butanedione__diacetyl	3040	6022	-1.6587	0.9708	109	-1.71	0.9401
2906	butanedione__diacetyl	4034	6022	-1.6587	0.9708	109	-1.71	0.9401
2907	butanedione__diacetyl	3040	3044	1.4742	1.1440	109	1.29	0.9956
2908	butanedione__diacetyl	3040	5028	1.4742	1.1440	109	1.29	0.9956
2909	butanedione__diacetyl	3040	5030	1.4742	1.1440	109	1.29	0.9956
2910	butanedione__diacetyl	3044	4034	-1.4742	1.1440	109	-1.29	0.9956
2911	butanedione__diacetyl	4034	5026	1.4742	1.1440	109	1.29	0.9956
2912	butanedione__diacetyl	4034	5028	1.4742	1.1440	109	1.29	0.9956
2913	butanedione__diacetyl	4034	5030	1.4742	1.1440	109	1.29	0.9956
2914	butanedione__diacetyl	3040	4036	1.4742	1.1440	109	1.29	0.9956
2915	butanedione__diacetyl	3040	5026	1.4742	1.1440	109	1.29	0.9956
2916	butanedione__diacetyl	4034	4036	1.4742	1.1440	109	1.29	0.9956
2917	butanedione__diacetyl	6024	6028	1.4642	1.1399	109	1.28	0.9957
2918	butanedione__diacetyl	6026	6028	1.4642	1.1399	109	1.28	0.9957
2919	butanedione__diacetyl	3040	6028	-1.0557	0.9165	109	-1.15	0.9987
2920	butanedione__diacetyl	4034	6028	-1.0557	0.9165	109	-1.15	0.9987
2921	butanedione__diacetyl	6022	6024	-0.8612	1.1828	109	-0.73	1.0000
2922	butanedione__diacetyl	6022	6026	-0.8612	1.1828	109	-0.73	1.0000
2923	butanedione__diacetyl	6022	6028	0.6029	0.9679	109	0.62	1.0000
2924	butanedione__diacetyl	3040	3042	22.0916	14691	109	0.00	1.0000
2925	butanedione__diacetyl	3040	3046	22.0916	14691	109	0.00	1.0000
2926	butanedione__diacetyl	3040	4034	-222E-18	0.9165	109	-0.00	1.0000
2927	butanedione__diacetyl	3040	4038	22.0916	14691	109	0.00	1.0000
2928	butanedione__diacetyl	3040	4040	22.0916	14691	109	0.00	1.0000
2929	butanedione__diacetyl	3040	5032	22.0916	14691	109	0.00	1.0000
2930	butanedione__diacetyl	3042	3044	-20.6174	14691	109	-0.00	1.0000
2931	butanedione__diacetyl	3042	3046	3.55E-15	20776	109	0.00	1.0000
2932	butanedione__diacetyl	3042	4034	-22.0916	14691	109	-0.00	1.0000
2933	butanedione__diacetyl	3042	4036	-20.6174	14691	109	-0.00	1.0000
2934	butanedione__diacetyl	3042	4038	-213E-16	20776	109	-0.00	1.0000
2935	butanedione__diacetyl	3042	4040	-213E-16	20776	109	-0.00	1.0000
2936	butanedione__diacetyl	3042	5026	-20.6174	14691	109	-0.00	1.0000
2937	butanedione__diacetyl	3042	5028	-20.6174	14691	109	-0.00	1.0000
2938	butanedione__diacetyl	3042	5030	-20.6174	14691	109	-0.00	1.0000
2939	butanedione__diacetyl	3042	5032	-178E-16	20776	109	-0.00	1.0000
2940	butanedione__diacetyl	3042	6022	-23.7503	14691	109	-0.00	1.0000
2941	butanedione__diacetyl	3042	6024	-24.6116	14691	109	-0.00	1.0000
2942	butanedione__diacetyl	3042	6026	-24.6116	14691	109	-0.00	1.0000
2943	butanedione__diacetyl	3042	6028	-23.1474	14691	109	-0.00	1.0000
2944	butanedione__diacetyl	3044	3046	20.6174	14691	109	0.00	1.0000
2945	butanedione__diacetyl	3044	4036	0	1.3310	109	0.00	1.0000
2946	butanedione__diacetyl	3044	4038	20.6174	14691	109	0.00	1.0000
2947	butanedione__diacetyl	3044	4040	20.6174	14691	109	0.00	1.0000
2948	butanedione__diacetyl	3044	5026	0	1.3310	109	0.00	1.0000
2949	butanedione__diacetyl	3044	5028	4.44E-16	1.3310	109	0.00	1.0000
2950	butanedione__diacetyl	3044	5030	4.44E-16	1.3310	109	0.00	1.0000

pair wise differences for temptime

Obs	depvar	temptime	_temptime	Estimate	StdErr	df	tValue	Adjp
2951	butanedione__diacetyl	3044	5032	20.6174	14691	109	0.00	1.0000
2952	butanedione__diacetyl	3046	4034	-22.0916	14691	109	-0.00	1.0000
2953	butanedione__diacetyl	3046	4036	-20.6174	14691	109	-0.00	1.0000
2954	butanedione__diacetyl	3046	4038	-249E-16	20776	109	-0.00	1.0000
2955	butanedione__diacetyl	3046	4040	-249E-16	20776	109	-0.00	1.0000
2956	butanedione__diacetyl	3046	5026	-20.6174	14691	109	-0.00	1.0000
2957	butanedione__diacetyl	3046	5028	-20.6174	14691	109	-0.00	1.0000
2958	butanedione__diacetyl	3046	5030	-20.6174	14691	109	-0.00	1.0000
2959	butanedione__diacetyl	3046	5032	-213E-16	20776	109	-0.00	1.0000
2960	butanedione__diacetyl	3046	6022	-23.7503	14691	109	-0.00	1.0000
2961	butanedione__diacetyl	3046	6024	-24.6116	14691	109	-0.00	1.0000
2962	butanedione__diacetyl	3046	6026	-24.6116	14691	109	-0.00	1.0000
2963	butanedione__diacetyl	3046	6028	-23.1474	14691	109	-0.00	1.0000
2964	butanedione__diacetyl	4034	4038	22.0916	14691	109	0.00	1.0000
2965	butanedione__diacetyl	4034	4040	22.0916	14691	109	0.00	1.0000
2966	butanedione__diacetyl	4034	5032	22.0916	14691	109	0.00	1.0000
2967	butanedione__diacetyl	4036	4038	20.6174	14691	109	0.00	1.0000
2968	butanedione__diacetyl	4036	4040	20.6174	14691	109	0.00	1.0000
2969	butanedione__diacetyl	4036	5026	0	1.3310	109	0.00	1.0000
2970	butanedione__diacetyl	4036	5028	4.44E-16	1.3310	109	0.00	1.0000
2971	butanedione__diacetyl	4036	5030	4.44E-16	1.3310	109	0.00	1.0000
2972	butanedione__diacetyl	4036	5032	20.6174	14691	109	0.00	1.0000
2973	butanedione__diacetyl	4038	4040	0	20776	109	0.00	1.0000
2974	butanedione__diacetyl	4038	5026	-20.6174	14691	109	-0.00	1.0000
2975	butanedione__diacetyl	4038	5028	-20.6174	14691	109	-0.00	1.0000
2976	butanedione__diacetyl	4038	5030	-20.6174	14691	109	-0.00	1.0000
2977	butanedione__diacetyl	4038	5032	3.55E-15	20776	109	0.00	1.0000
2978	butanedione__diacetyl	4038	6022	-23.7503	14691	109	-0.00	1.0000
2979	butanedione__diacetyl	4038	6024	-24.6116	14691	109	-0.00	1.0000
2980	butanedione__diacetyl	4038	6026	-24.6116	14691	109	-0.00	1.0000
2981	butanedione__diacetyl	4038	6028	-23.1474	14691	109	-0.00	1.0000
2982	butanedione__diacetyl	4040	5026	-20.6174	14691	109	-0.00	1.0000
2983	butanedione__diacetyl	4040	5028	-20.6174	14691	109	-0.00	1.0000
2984	butanedione__diacetyl	4040	5030	-20.6174	14691	109	-0.00	1.0000
2985	butanedione__diacetyl	4040	5032	3.55E-15	20776	109	0.00	1.0000
2986	butanedione__diacetyl	4040	6022	-23.7503	14691	109	-0.00	1.0000
2987	butanedione__diacetyl	4040	6024	-24.6116	14691	109	-0.00	1.0000
2988	butanedione__diacetyl	4040	6026	-24.6116	14691	109	-0.00	1.0000
2989	butanedione__diacetyl	4040	6028	-23.1474	14691	109	-0.00	1.0000
2990	butanedione__diacetyl	5026	5028	4.44E-16	1.3310	109	0.00	1.0000
2991	butanedione__diacetyl	5026	5030	4.44E-16	1.3310	109	0.00	1.0000
2992	butanedione__diacetyl	5026	5032	20.6174	14691	109	0.00	1.0000
2993	butanedione__diacetyl	5028	5030	0	1.3310	109	0.00	1.0000
2994	butanedione__diacetyl	5028	5032	20.6174	14691	109	0.00	1.0000
2995	butanedione__diacetyl	5030	5032	20.6174	14691	109	0.00	1.0000
2996	butanedione__diacetyl	5032	6022	-23.7503	14691	109	-0.00	1.0000
2997	butanedione__diacetyl	5032	6024	-24.6116	14691	109	-0.00	1.0000
2998	butanedione__diacetyl	5032	6026	-24.6116	14691	109	-0.00	1.0000
2999	butanedione__diacetyl	5032	6028	-23.1474	14691	109	-0.00	1.0000
3000	butanedione__diacetyl	6024	6026	-444E-18	1.3268	109	-0.00	1.0000

SAS Output for Logistic Regression

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Analysis for normal use

The LOGISTIC Procedure

Model Information

Data Set	WORK.GOOD	
Response Variable	Normal	Normal
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	5177
Number of Observations Used	5177

Response Profile

Ordered Value	Normal	Total Frequency
1	1	2795
2	2	2382

Probability modeled is Normal=1.

Class Level Information

Class	Value	Design Variables															
oil	HOCAN	1															
	HOSUN	-1															
temptime	3040	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3042	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3046	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	4034	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	4036	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	4038	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	4040	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	5026	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5028	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5030	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5032	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	6022	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6024	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	6026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	6028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Analysis for normal use

The LOGISTIC Procedure

Model Convergence Status

Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	7145.863	7149.347
SC	7152.415	7372.115
-2 Log L	7143.863	7081.347

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	62.5160	33	0.0014
Score	62.2371	33	0.0015
Wald	61.6233	33	0.0018

Type 3 Analysis of Effects

Effect	DF	Wald Chi-Square	Pr > ChiSq
oil	1	0.0061	0.9377
temptime	16	43.9412	0.0002
oil*temptime	16	16.3232	0.4306

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	0.0712	0.0326	4.7637	0.0291
oil	HOCAN	1	0.00255	0.0326	0.0061	0.9377
temptime	3040	1	0.1120	0.1319	0.7205	0.3960
temptime	3042	1	0.0662	0.1326	0.2487	0.6180
temptime	3044	1	-0.0324	0.1315	0.0606	0.8055
temptime	3046	1	0.0760	0.1317	0.3326	0.5641
temptime	4034	1	0.1564	0.1320	1.4040	0.2361
temptime	4036	1	0.1388	0.1319	1.1072	0.2927
temptime	4038	1	-0.0102	0.1604	0.0041	0.9491
temptime	4040	1	-0.0836	0.1313	0.4052	0.5244

Analysis for normal use

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
temptime	5026	1	0.1059	0.1299	0.6643	0.4151
temptime	5028	1	0.00179	0.1297	0.0002	0.9890
temptime	5030	1	-0.0530	0.1292	0.1683	0.6816
temptime	5032	1	-0.00065	0.1293	0.0000	0.9960
temptime	6022	1	-0.0640	0.1337	0.2290	0.6323
temptime	6024	1	-0.1427	0.1334	1.1442	0.2848
temptime	6026	1	-0.3149	0.1342	5.5060	0.0190
temptime	6028	1	-0.2622	0.1338	3.8419	0.0500
oil*temptime	HOCAN 3040	1	-0.0345	0.1319	0.0684	0.7938
oil*temptime	HOCAN 3042	1	0.2420	0.1326	3.3293	0.0681
oil*temptime	HOCAN 3044	1	0.0720	0.1315	0.2995	0.5842
oil*temptime	HOCAN 3046	1	0.00151	0.1317	0.0001	0.9908
oil*temptime	HOCAN 4034	1	0.0322	0.1320	0.0594	0.8074
oil*temptime	HOCAN 4036	1	0.0145	0.1319	0.0121	0.9123
oil*temptime	HOCAN 4038	1	0.0584	0.1604	0.1325	0.7158
oil*temptime	HOCAN 4040	1	0.0620	0.1313	0.2232	0.6367
oil*temptime	HOCAN 5026	1	-0.1439	0.1299	1.2269	0.2680
oil*temptime	HOCAN 5028	1	0.1758	0.1297	1.8362	0.1754
oil*temptime	HOCAN 5030	1	0.0507	0.1292	0.1541	0.6946
oil*temptime	HOCAN 5032	1	-0.0374	0.1293	0.0836	0.7725
oil*temptime	HOCAN 6022	1	-0.1921	0.1337	2.0624	0.1510
oil*temptime	HOCAN 6024	1	-0.1133	0.1334	0.7212	0.3957
oil*temptime	HOCAN 6026	1	-0.0891	0.1342	0.4406	0.5068
oil*temptime	HOCAN 6028	1	0.0428	0.1338	0.1023	0.7491

Association of Predicted Probabilities and Observed Responses

Percent Concordant	52.4	Somers' D	0.124
Percent Discordant	40.0	Gamma	0.134
Percent Tied	7.7	Tau-a	0.061
Pairs	6657690	c	0.562

Analysis for normal use

---------- oil=HOCAN ----------

The LOGISTIC Procedure

Model Information

Data Set	WORK.GOOD	
Response Variable	Normal	Normal
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	2639
Number of Observations Used	2639

Response Profile

Ordered Value	Normal	Total Frequency
1	1	1399
2	2	1240

Probability modeled is Normal=1.

Class Level Information

Class	Value	Design Variables															
temptime	3040	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3042	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3046	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	4034	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	4036	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	4038	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	4040	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	5026	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5028	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5030	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5032	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	6022	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6024	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	6026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	6028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Analysis for normal use

---------- oil=HOCAN ----------

The LOGISTIC Procedure

Model Convergence Status

Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	3650.845	3663.551
SC	3656.723	3763.479
-2 Log L	3648.845	3629.551

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	19.2947	16	0.2537
Score	19.2876	16	0.2540
Wald	19.1292	16	0.2620

Type 3 Analysis of Effects

Effect	DF	Wald Chi-Square	Pr > ChiSq
temptime	16	19.1292	0.2620

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	0.0737	0.0451	2.6695	0.1023
temptime	3040	1	0.0775	0.1885	0.1690	0.6810
temptime	3042	1	0.3082	0.1912	2.5979	0.1070
temptime	3044	1	0.0396	0.1883	0.0442	0.8334
temptime	3046	1	0.0775	0.1885	0.1690	0.6810
temptime	4034	1	0.1886	0.1824	1.0698	0.3010
temptime	4036	1	0.1533	0.1820	0.7096	0.3996
temptime	4038	1	0.0482	0.1812	0.0706	0.7905
temptime	4040	1	-0.0216	0.1810	0.0142	0.9052
temptime	5026	1	-0.0380	0.1832	0.0431	0.8356

Analysis for normal use

---------- oil=HOCAN ----------

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
temptime	5028	1	0.1776	0.1845	0.9261	0.3359
temptime	5030	1	-0.00228	0.1833	0.0002	0.9901
temptime	5032	1	-0.0380	0.1832	0.0431	0.8356
temptime	6022	1	-0.2561	0.1854	1.9066	0.1673
temptime	6024	1	-0.2561	0.1854	1.9066	0.1673
temptime	6026	1	-0.4040	0.1871	4.6622	0.0308
temptime	6028	1	-0.2195	0.1852	1.4043	0.2360

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
temptime 3040 vs 7000	0.916	0.611	1.373
temptime 3042 vs 7000	1.154	0.766	1.739
temptime 3044 vs 7000	0.882	0.589	1.322
temptime 3046 vs 7000	0.916	0.611	1.373
temptime 4034 vs 7000	1.024	0.692	1.516
temptime 4036 vs 7000	0.988	0.668	1.462
temptime 4038 vs 7000	0.890	0.602	1.314
temptime 4040 vs 7000	0.830	0.562	1.225
temptime 5026 vs 7000	0.816	0.550	1.210
temptime 5028 vs 7000	1.013	0.681	1.506
temptime 5030 vs 7000	0.846	0.570	1.255
temptime 5032 vs 7000	0.816	0.550	1.210
temptime 6022 vs 7000	0.656	0.441	0.978
temptime 6024 vs 7000	0.656	0.441	0.978
temptime 6026 vs 7000	0.566	0.379	0.846
temptime 6028 vs 7000	0.681	0.457	1.014

Association of Predicted Probabilities and Observed Responses

Percent Concordant	47.2	Somers' D	0.089
Percent Discordant	38.3	Gamma	0.104
Percent Tied	14.5	Tau-a	0.044
Pairs	1734760	c	0.545

Analysis for normal use

---------- oil=HOSUN ----------

The LOGISTIC Procedure

Model Information

Data Set	WORK.GOOD	
Response Variable	Normal	Normal
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	2538
Number of Observations Used	2538

Response Profile

Ordered Value	Normal	Total Frequency
1	1	1396
2	2	1142

Probability modeled is Normal=1.

Class Level Information

Class	Value	Design Variables															
temptime	3040	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3042	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3046	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	4034	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	4036	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	4038	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	4040	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	5026	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5028	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5030	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5032	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	6022	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6024	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	6026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	6028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Analysis for normal use

---------- oil=HOSUN ----------

The LOGISTIC Procedure

Model Convergence Status

Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	3494.952	3485.797
SC	3500.792	3585.062
-2 Log L	3492.952	3451.797

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	41.1556	16	0.0005
Score	40.9815	16	0.0006
Wald	40.6200	16	0.0006

Type 3 Analysis of Effects

Effect	DF	Wald Chi-Square	Pr > ChiSq
temptime	16	40.6200	0.0006

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	0.0686	0.0471	2.1236	0.1450
temptime	3040	1	0.1465	0.1847	0.6292	0.4276
temptime	3042	1	-0.1759	0.1839	0.9146	0.3389
temptime	3044	1	-0.1044	0.1837	0.3228	0.5700
temptime	3046	1	0.0745	0.1841	0.1636	0.6859
temptime	4034	1	0.1243	0.1910	0.4234	0.5152
temptime	4036	1	0.1243	0.1910	0.4234	0.5152
temptime	4038	1	-0.0686	0.2647	0.0672	0.7954
temptime	4040	1	-0.1456	0.1903	0.5855	0.4442
temptime	5026	1	0.2498	0.1843	1.8372	0.1753

Analysis for normal use

---------- oil=HOSUN ----------

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
temptime	5028	1	-0.1740	0.1824	0.9101	0.3401
temptime	5030	1	-0.1037	0.1822	0.3242	0.5691
temptime	5032	1	0.0367	0.1824	0.0405	0.8404
temptime	6022	1	0.1281	0.1928	0.4415	0.5064
temptime	6024	1	-0.0294	0.1919	0.0235	0.8782
temptime	6026	1	-0.2258	0.1924	1.3770	0.2406
temptime	6028	1	-0.3050	0.1931	2.4940	0.1143

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
temptime 3040 vs 7000	0.739	0.497	1.100
temptime 3042 vs 7000	0.536	0.361	0.796
temptime 3044 vs 7000	0.575	0.387	0.854
temptime 3046 vs 7000	0.688	0.463	1.022
temptime 4034 vs 7000	0.723	0.480	1.090
temptime 4036 vs 7000	0.723	0.480	1.090
temptime 4038 vs 7000	0.596	0.340	1.045
temptime 4040 vs 7000	0.552	0.367	0.831
temptime 5026 vs 7000	0.820	0.551	1.219
temptime 5028 vs 7000	0.537	0.362	0.795
temptime 5030 vs 7000	0.576	0.389	0.852
temptime 5032 vs 7000	0.663	0.447	0.981
temptime 6022 vs 7000	0.726	0.480	1.098
temptime 6024 vs 7000	0.620	0.411	0.936
temptime 6026 vs 7000	0.510	0.337	0.770
temptime 6028 vs 7000	0.471	0.311	0.713

Association of Predicted Probabilities and Observed Responses

Percent Concordant	49.4	Somers' D	0.144
Percent Discordant	35.1	Gamma	0.170
Percent Tied	15.5	Tau-a	0.071
Pairs	1594232	c	0.572

Analysis for emergency use

The LOGISTIC Procedure

Model Information

Data Set	WORK.GOOD	
Response Variable	Emergency	Emergency
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	5177
Number of Observations Used	5177

Response Profile

Ordered Value	Emergency	Total Frequency
1	1	4090
2	2	1087

Probability modeled is Emergency=1.

Class Level Information

Class	Value	Design Variables															
oil	HOCAN	1															
	HOSUN	-1															
temptime	3040	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3042	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3046	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	4034	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	4036	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	4038	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	4040	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	5026	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5028	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5030	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5032	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	6022	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6024	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	6026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	6028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Analysis for emergency use

The LOGISTIC Procedure

Model Convergence Status

Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	5323.057	5320.856
SC	5329.609	5543.623
-2 Log L	5321.057	5252.856

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	68.2010	33	0.0003
Score	70.6086	33	0.0002
Wald	68.9257	33	0.0002

Type 3 Analysis of Effects

Effect	DF	Wald Chi-Square	Pr > ChiSq
oil	1	0.7994	0.3713
temptime	16	41.2517	0.0005
oil*temptime	16	22.1084	0.1397

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	1.2615	0.0395	1020.8310	<.0001
oil	HOCAN	1	-0.0353	0.0395	0.7994	0.3713
temptime	3040	1	0.3165	0.1754	3.2570	0.0711
temptime	3042	1	0.1228	0.1645	0.5571	0.4554
temptime	3044	1	0.3065	0.1740	3.1036	0.0781
temptime	3046	1	0.2132	0.1695	1.5817	0.2085
temptime	4034	1	-0.0442	0.1564	0.0799	0.7775
temptime	4036	1	0.0921	0.1623	0.3221	0.5704
temptime	4038	1	0.0337	0.1935	0.0303	0.8619
temptime	4040	1	-0.1611	0.1525	1.1158	0.2908

Analysis for emergency use

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
temptime	5026	1	-0.1491	0.1503	0.9838	0.3213
temptime	5028	1	-0.2652	0.1482	3.2033	0.0735
temptime	5030	1	-0.1745	0.1492	1.3673	0.2423
temptime	5032	1	-0.3534	0.1437	6.0500	0.0139
temptime	6022	1	-0.0788	0.1598	0.2429	0.6221
temptime	6024	1	0.00553	0.1616	0.0012	0.9727
temptime	6026	1	-0.1717	0.1591	1.1649	0.2805
temptime	6028	1	0.00553	0.1616	0.0012	0.9727
oil*temptime	HOCAN 3040	1	0.2601	0.1754	2.2001	0.1380
oil*temptime	HOCAN 3042	1	0.1725	0.1645	1.0998	0.2943
oil*temptime	HOCAN 3044	1	0.1945	0.1740	1.2499	0.2636
oil*temptime	HOCAN 3046	1	-0.2107	0.1695	1.5448	0.2139
oil*temptime	HOCAN 4034	1	0.0486	0.1564	0.0965	0.7561
oil*temptime	HOCAN 4036	1	0.0145	0.1623	0.0080	0.9286
oil*temptime	HOCAN 4038	1	0.1265	0.1935	0.4271	0.5134
oil*temptime	HOCAN 4040	1	-0.0683	0.1525	0.2005	0.6543
oil*temptime	HOCAN 5026	1	-0.0716	0.1503	0.2266	0.6340
oil*temptime	HOCAN 5028	1	0.3384	0.1482	5.2128	0.0224
oil*temptime	HOCAN 5030	1	0.0469	0.1492	0.0989	0.7531
oil*temptime	HOCAN 5032	1	0.0877	0.1437	0.3726	0.5416
oil*temptime	HOCAN 6022	1	-0.2564	0.1598	2.5735	0.1087
oil*temptime	HOCAN 6024	1	-0.1087	0.1616	0.4525	0.5011
oil*temptime	HOCAN 6026	1	-0.4154	0.1591	6.8176	0.0090
oil*temptime	HOCAN 6028	1	-0.1087	0.1616	0.4525	0.5011

Association of Predicted Probabilities and Observed Responses

Percent Concordant	54.3	Somers' D	0.156
Percent Discordant	38.7	Gamma	0.168
Percent Tied	7.0	Tau-a	0.052
Pairs	4445830	c	0.578

Analysis for emergency use

---------- oil=HOCAN ----------

The LOGISTIC Procedure

Model Information

Data Set	WORK.GOOD	
Response Variable	Emergency	Emergency
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	2639
Number of Observations Used	2639

Response Profile

Ordered Value	Emergency	Total Frequency
1	1	2063
2	2	576

Probability modeled is Emergency=1.

Class Level Information

Class	Value	Design Variables															
temptime	3040	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3042	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3046	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	4034	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	4036	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	4038	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	4040	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	5026	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5028	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5030	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5032	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	6022	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6024	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	6026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	6028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

---------- oil=HOCAN ----------

The LOGISTIC Procedure

Model Convergence Status

Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	2771.380	2769.885
SC	2777.258	2869.814
-2 Log L	2769.380	2735.885

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	33.4953	16	0.0063
Score	34.2721	16	0.0050
Wald	33.5138	16	0.0063

Type 3 Analysis of Effects

Effect	DF	Wald Chi-Square	Pr > ChiSq
temptime	16	33.5138	0.0063

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	1.2262	0.0543	510.5978	<.0001
temptime	3040	1	0.5766	0.2673	4.6529	0.0310
temptime	3042	1	0.2953	0.2440	1.4650	0.2261
temptime	3044	1	0.5011	0.2606	3.6977	0.0545
temptime	3046	1	0.00250	0.2247	0.0001	0.9911
temptime	4034	1	0.00438	0.2163	0.0004	0.9839
temptime	4036	1	0.1066	0.2223	0.2302	0.6314
temptime	4038	1	0.1601	0.2256	0.5038	0.4778
temptime	4040	1	-0.2293	0.2047	1.2549	0.2626
temptime	5026	1	-0.2206	0.2076	1.1291	0.2880

Analysis for emergency use

---------- oil=HOCAN ----------

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
temptime	5028	1	0.0731	0.2230	0.1075	0.7430
temptime	5030	1	-0.1276	0.2120	0.3619	0.5475
temptime	5032	1	-0.2657	0.2057	1.6689	0.1964
temptime	6022	1	-0.3352	0.2045	2.6859	0.1012
temptime	6024	1	-0.1032	0.2151	0.2301	0.6315
temptime	6026	1	-0.5871	0.1960	8.9712	0.0027
temptime	6028	1	-0.1032	0.2151	0.2301	0.6315

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
temptime 3040 vs 7000	1.383	0.781	2.452
temptime 3042 vs 7000	1.044	0.618	1.765
temptime 3044 vs 7000	1.283	0.734	2.243
temptime 3046 vs 7000	0.779	0.479	1.267
temptime 4034 vs 7000	0.781	0.488	1.248
temptime 4036 vs 7000	0.865	0.534	1.399
temptime 4038 vs 7000	0.912	0.560	1.486
temptime 4040 vs 7000	0.618	0.396	0.965
temptime 5026 vs 7000	0.623	0.397	0.979
temptime 5028 vs 7000	0.836	0.516	1.355
temptime 5030 vs 7000	0.684	0.432	1.084
temptime 5032 vs 7000	0.596	0.381	0.933
temptime 6022 vs 7000	0.556	0.356	0.868
temptime 6024 vs 7000	0.701	0.440	1.118
temptime 6026 vs 7000	0.432	0.281	0.663
temptime 6028 vs 7000	0.701	0.440	1.118

Association of Predicted Probabilities and Observed Responses

Percent Concordant	50.9	Somers' D	0.150
Percent Discordant	35.9	Gamma	0.173
Percent Tied	13.2	Tau-a	0.051
Pairs	1188288	c	0.575

Analysis for emergency use

---------- oil=HOSUN ----------

The LOGISTIC Procedure

Model Information

Data Set	WORK.GOOD	
Response Variable	Emergency	Emergency
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	2538
Number of Observations Used	2538

Response Profile

Ordered Value	Emergency	Total Frequency
1	1	2027
2	2	511

Probability modeled is Emergency=1.

Class Level Information

Class	Value	Design Variables															
temptime	3040	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3042	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3044	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3046	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	4034	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	4036	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	4038	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	4040	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	5026	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5028	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5030	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5032	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	6022	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6024	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	6026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	6028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Analysis for emergency use

---------- oil=HOSUN ----------

The LOGISTIC Procedure

Model Convergence Status

Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	2551.441	2550.971
SC	2557.280	2650.236
-2 Log L	2549.441	2516.971

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	32.4703	16	0.0087
Score	34.1684	16	0.0052
Wald	33.2744	16	0.0068

Type 3 Analysis of Effects

Effect	DF	Wald Chi-Square	Pr > ChiSq
temptime	16	33.2744	0.0068

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	1.2968	0.0574	511.0096	<.0001
temptime	3040	1	0.0564	0.2271	0.0616	0.8039
temptime	3042	1	-0.0497	0.2207	0.0508	0.8217
temptime	3044	1	0.1120	0.2307	0.2358	0.6273
temptime	3046	1	0.4239	0.2539	2.7867	0.0951
temptime	4034	1	-0.0928	0.2260	0.1686	0.6814
temptime	4036	1	0.0776	0.2365	0.1075	0.7430
temptime	4038	1	-0.0928	0.3145	0.0871	0.7679
temptime	4040	1	-0.0928	0.2260	0.1686	0.6814
temptime	5026	1	-0.0775	0.2174	0.1272	0.7214

Analysis for emergency use

---------- oil=HOSUN ----------

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
temptime	5028	1	-0.6036	0.1952	9.5580	0.0020
temptime	5030	1	-0.2214	0.2100	1.1117	0.2917
temptime	5032	1	-0.4411	0.2007	4.8314	0.0279
temptime	6022	1	0.1776	0.2457	0.5228	0.4697
temptime	6024	1	0.1142	0.2412	0.2243	0.6358
temptime	6026	1	0.2437	0.2506	0.9453	0.3309
temptime	6028	1	0.1142	0.2412	0.2243	0.6358

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
temptime 3040 vs 7000	0.744	0.454	1.218
temptime 3042 vs 7000	0.669	0.414	1.082
temptime 3044 vs 7000	0.786	0.477	1.297
temptime 3046 vs 7000	1.074	0.622	1.857
temptime 4034 vs 7000	0.641	0.392	1.047
temptime 4036 vs 7000	0.760	0.455	1.268
temptime 4038 vs 7000	0.641	0.328	1.253
temptime 4040 vs 7000	0.641	0.392	1.047
temptime 5026 vs 7000	0.651	0.405	1.045
temptime 5028 vs 7000	0.385	0.250	0.591
temptime 5030 vs 7000	0.564	0.356	0.892
temptime 5032 vs 7000	0.452	0.291	0.703
temptime 6022 vs 7000	0.840	0.494	1.428
temptime 6024 vs 7000	0.788	0.468	1.328
temptime 6026 vs 7000	0.897	0.523	1.540
temptime 6028 vs 7000	0.788	0.468	1.328

Association of Predicted Probabilities and Observed Responses

Percent Concordant	50.3	Somers' D	0.151
Percent Discordant	35.2	Gamma	0.176
Percent Tied	14.4	Tau-a	0.049
Pairs	1035797	c	0.576