**Orlando-Kissimmee-Sanford, FL (MSA) for Average Weekly Earnings and Total Private Employees in Non-Seasonally Adjusted and by Monthly Project**

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10. **Introduction**

The project will forecast the March non-seasonally adjusted estimate for Orlando-Kissimmee-Sanford, FL; the forecast will use weekly earnings and the total employment as the focused variables and the rest as predictors. This project is meant to do one-step ahead for any metropolitan area in Florida. The methods used to do this project are explanatory data analysis, AC, PAC, regress, best model selection from GSREG and rolling window technique, and forecasting.

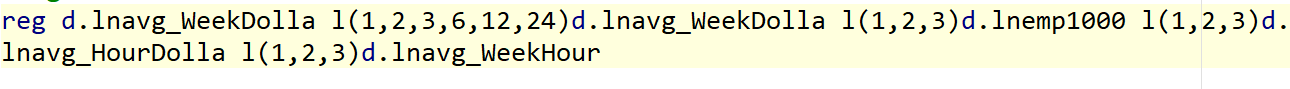
1. **Exploratory Data Analysis for Private Employment and Average Weekly Earnings**



* 1. *Summarization of All Log Variables*

The “date” variable is used to set time frame constraints to create forecasts. The variable, “lnemp1000”, is the log of private employment in thousands. The variable, “lnavg\_WeekHour”, is the log of average weekly hours. The variable, “lnavg\_HourDolla”, is the log average of hourly earnings. The variable, “lnavg\_WeekDolla”, is the log of average of weekly earnings.

Overall, the variables log of Private employment and “date” have more observations while log of average hourly earnings, log of average weekly earnings, and log of weekly hours which each have 170 observations.

* *

* 1. *Akaike’s Info Criterion and Bayesian Information of Regression of lnemp1000 in Relation to the other Log Variables*

The Akaike’s Info Criterion and Bayesian Information of the regression for “lnemp1000” in relation with the other log variables (lnavg\_HourDolla, lnavg\_WeekHour, and lnavg\_WeekDolla) has an AIC and BIC of -904.4206 and -854.6287. Since AIC and BIC has such low values, then this will lead to a better fit for the model.



* 1. *Akaike’s Info Criterion and Bayesian Information Regression of lnavg\_WeekDolla in Relation to the other Log Variables*

The Akaike’s Info Criterion and Bayesian Information of the regression for “lnavg\_WeekDolla” in relation with the other log variables (lnavg\_HourDolla, lnemp1000, and lnavg\_WeekHour) has an AIC and BIC of -794.426 and -746.7983. Since AIC and BIC have such low values, then it leads to a better fit for the model.

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* 1. *Autocorrelation of log of Private Employment*



* 1. *Partial Autocorrelation of log of Private Employment*

The auto correlogram for log of Private employment shown above illustrates that the autocorrelations undergo negative influence with every increase of lag. This shows that the regression of the autocorrelation of log of Private jobs decreases in response to the lag increase. However, the partial auto correlogram between log of Private jobs and lag react differently to the auto correlogram. The partial auto correlogram shows that the partial correlations stay constant with an overall partial auto correlation of 0.

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* 1. *Autocorrelation of log of Average Weekly Earnings*

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* 1. *Partial Autocorrelation of log of Average Weekly Earnings*

The auto correlogram shows that the autocorrelations of the log of average weekly earnings undergo a drastic negative influence with every increase of lag. Yet, the partial auto correlogram between the average weekly earnings and the lag react differently to the auto correlogram. The partial auto correlogram shows that the partial autocorrelations are constant with an overall partial auto correlation of 0.

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* 1. *Autocorrelation of Differences of log of Private Employment*

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* 1. *Partial Autocorrelation of Differences of log of Private Employment*

The auto correlogram between the differences of log of differences of total Private employment and the lag have a spastic relation on autocorrelations 0 but have a wide range from ~-0.1 and ~0.1. The partial auto correlogram shows that the partial autocorrelations are more tightly ranged from partial correlation between -0.1 and 0.1 with an overall partial auto correlation of 0.



* 1. *Autocorrelation of Differences of log of Average Weekly Earnings*



* 1. *Partial Autocorrelation of Differences of log of Average Weekly Earnings*

The auto correlogram between the differences of log of average weekly earnings and the lag have a spastic relation on autocorrelations 0 but have a wide range from ~-0.15 and ~0.15. The partial auto correlogram shows that the partial autocorrelations are tightly ranged from partial correlation between -0.15 and 0.15 with an overall partial auto correlation of 0.

******

* 1. *Time Series Line Plots of Total Private Employees (Blue), Average Weekly Hours (Orange), Average Weekly Earnings (Green), and Average Hourly Earnings (Red)*

The time series plot shown above illustrates total private employment and average weekly hours having positive relationship as time increases. However, total private employment dropped at 2020m1 (January 2020), which suggest that the COVID-19 quarantine and business closures influenced total private employment. Both average weekly earnings and average hourly earnings do not react as time increase and remain constant. This is explained by the fact the minimum wage has remained constant for a course of years, an only on certain incidents cause the wage to increase dramatically like if the government changed the minimum wage from $8 to $16 per hour.

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* 1. *Time Series Line Plots of Log of Total Private Employees, Log of Average Weekly Hours, Log of Average Weekly Earnings, and Log of Average Hourly Earnings*

The time series plot shown above illustrates the log of total private employment and log of average weekly hours having positive relationship as time increases but have a smaller slope than the previous time series plot. However, log of total private employment dropped at 2020m1 (January 2021), which suggest that the COVID-19 quarantine and business closures influenced log of total private employment. Both average weekly earnings and average hourly earnings do not react as much as time increase and remain somewhat constant. This is explained by the fact the minimum wage has remained constant for a course of years, an only on certain incidents cause the wage to increase dramatically like if the government changed the minimum wage from $8 to $16 dollars per hour. The reason the normal time series and the log time series are so different from each other because the log reduces the variance of every variable.

1. **Predict Forecast for Private Employment in Florida for March 2021**
   1. **Best Model Selection from GSREG and Rolling Window Technique**



* + 1. *Best Model Selection for Total Private Employees from GSREG Ranks Standard, 1, 2, 5, and 13*

These 5 models were chosen based on the GSREG technique of checking the best GSREG rank in the data editor by their AIC, BIC, and R-squared values. The best model selection was done with the rolling window technique and chosen by the smallest RMSE from every rolling window result. Overall, the best GSREG rank model is rank 2 with RMSE value of .00249426. GSREG rank 2 will be furthered used for forecast in the next section.

* 1. **Predict March One Time Forecasts**



* + 1. *Rolling window program for GSREG Rank 2 for dlnemp1000 after 96 months for Minimum Observations, Maximum Observations, and RWRMSE*

For the new forecast, rolling window technique was done again for GSREG 2 for differences of log of employment after 96 months to generate new variables: res (residuals), errsq (squared residual), Rwrmse (overall RMSE), RWminobs96 (minimum observations for RMSE), and RWmaxobs96 (maximum observations for RMSE). These new variables will be used for empirical forecasts and normal forecasts.



* + 1. *Empirical Forecast for Florida Private Employment to predict 2021m3*

As you can above, the empirical forecast of private employment has March 2021 have the predictive forecast of 1047.894, while the upper bound is 1287.049 which is a difference of 239.155 and the lower bound is 936.7554 which is a difference of 111.1386. The difference between the forecast and upper bound and the difference between the forecast and lower bounds should be similar, but the upper bound has a larger difference.



* + 1. *List of Residual from percentile 2.5th and 97.5th*



* + 1. *Time Series of Residuals from 2019m6 to 2021m1 (dates of percentile 2.5 and 97.5)*

The reason for the difference is that the time series of residuals show a drop and an extreme increase between 2020m3 (March 2020) and 2020m7 (July 2020), which happened at the same time frame as the quarantine and the business closures occurred due to the COVID-19 pandemic. We also must consider that Orlando has one of the highest international tourism in Florida because of their amusement parks like Disney World. Orlando-Kissimmee-Sanford’s sudden job loss, restoration of employment, and being a spot for high international tourism has caused such a disruption to the forecast to the point the upper bound difference is larger than the lower bound difference.



* + 1. *Normal Forecast for Florida Private Employment to predict 2021m3*

The normal forecast has March 2021 have the predictive forecast of 1042.497, while the upper bound is 1181.393 which is a difference of 138.896 and the lower bound is 919.9315 which is a difference of 122.565, which is a better forecast than the empirical forecast. The normal forecast is more stabilize and less sensitive to the drop and rise of total private employment compared to empirical forecast.



* + 1. *Private Employment Empirical Forecast Error Distribution*

The private employment empirical forecast error distribution shows that 0 has the most fraction distribution compared to any error. This shows that error distribution happens rarely but can occur in -2, 2, or 4. The error distribution illustrated this statement by varying a bell curve based on the bar distributions of the errors.

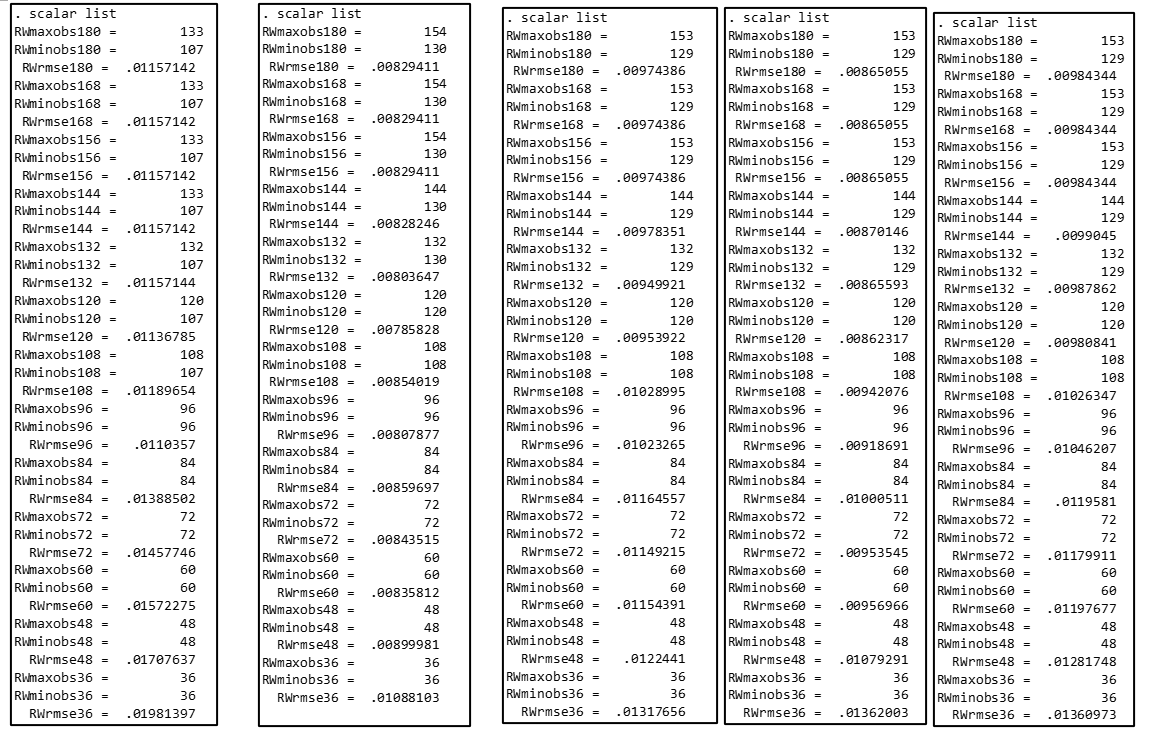


* + 1. *Private Employment Quantile-Normal Plot of Forecast Error*

The private employment quantile-normal plot of forecast error is in relation to inverse standard normal of residual percentile with percentile ranging from 2.5 to 97.5 and residual z-score.

It also shows that the smoothed plot does not reflect well to the point distribution. The reason for this is that there are outliers below and above the main plot. The outliers were created from the Orlando-Kissimmee-Sanford’s COVID-19 business closures that led to a significant decrease in private employment and the sudden increase of employment due to some quarantine restrictions being levied and allowed employees to work again.

1. **Predict Forecast for Average Weekly Earnings in Florida for March 2021**
   1. **Best Model Selection from GSREG and Rolling Window Technique**

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* + 1. *Best Model Selection for Average Weekly Earnings from GSREG Ranks Standard, 1, 2, 13, and 18*

These 5 models were chosen based on the GSREG technique of checking the best GSREG rank in the data editor by their AIC, BIC, and R-squared values. The best model selection was done with the rolling window technique and chosen by the smallest RMSE from every rolling window result. Overall, the best GSREG rank model is rank 13 with RMSE value of 0.00862317; GSREG rank 13 will be furthered used for forecast in the next section.

* 1. **Predict March One Time Forecasts**



* + 1. *Rolling window program for GSREG Rank 13 for dlnavg\_WeekDolla after 96 months for minimum observations, maximum observations, and RWRMSE*

For the new forecast, rolling window technique was done again for GSREG 13 for differences of log of average weekly earnings after 96 months to generate new variables: res (residuals), errsq (squared residual), Rwrmse (overall RMSE), RWminobs96 (minimum observations for RMSE), and RWmaxobs96 (maximum observations for RMSE). These new variables will be used for empirical forecasts and normal forecasts.



* + 1. *Empirical Forecast for Average Weekly Earnings to predict 2021m3*

As you can see above, the empirical forecast of average weekly earnings has March 2021 have the predictive forecast of 960.936, while the upper bound is 985.7129 which is a difference of 24.7769 and the lower bound is 936.0876 which is a difference of 24.8481. In other words, the average weekly earnings will continue having a positive slope.

The difference is the same for the upper bound and lower bound unlike the empirical forecast of total private employment. This means that average weekly earnings did not have such a sensitive reaction to COVID-19 compared to total private employment, since minimum wage would not change regardless of the pandemic. It would only change if the government felt there is a need to do so to help the economy.



* + 1. *Normal Forecast for Average Weekly Earnings to predict 2021m3*

The normal forecast for average weekly earnings has March 2021 have the predictive forecast of 961.1282, while the upper bound is 1010.33 which is a difference of 49.2018 and the lower bound is 914.3224 which is a difference of 46.8056, which makes this normal forecast like the empirical forecast. Just like the empirical forecast, normal forecast is not sensitive to the business closures and the sudden drop and increase of employment.



* + 1. *Average Weekly Earnings Empirical Forecast Error Distribution*

The private employment empirical forecast error distribution shows that 0 to 1 has the most fraction distribution compared to any error. This means that error distribution occurs rarely but can still occur in small amounts. The error distribution illustrated this statement by varying a bell curve based on the bar distributions of the errors.



* + 1. *Average Weekly Earnings Quantile-Normal Plot of Forecast Error*

The average weekly earnings quantile-normal plot of forecast error is in relation to inverse standard normal of residual percentile with percentile ranging from 2.5 to 97.5 and residual z-score. It also shows that the smoothed plot does relatively reflect well to the point distribution. The reason for this is that there are not many outliers that were created from the Orlando-Kissimmee-Sanford’s COVID-19 business closures which led to a significant decrease in private employment and the sudden increase of employment due to some quarantine restrictions being levied and allowed employees to work again.

1. **Conclusion**

The project one-step forecasted the March 2021 non-seasonally adjusted estimate from the dataset that provided data from January 1990 to February 2021 for Orlando-Kissimmee-Sanford, FL; the forecast used average weekly earnings and the total employment as the focused variables and the rest as predictors. The COVID-19 pandemic also heavily hurt the metropolitan area since it had Orlando, which is one of the highest grossing international touristic destinations in Florida.

The empirical forecast for private employment showed that it was sensitive to the sudden drop and rise of employment due to the COVID-19 quarantine, which led to have a higher upper bound than it should normally be. The normal forecast was able to handle the drop and rise of employment better than the empirical forecast since the upper bound difference and lower bound difference are similar.

The empirical forecast for average weekly earnings showed that it was not sensitive to the sudden drop and rise of employment due to the COVID-19 quarantine, which led to have a more well-behaved forecast and that the weekly earnings will increase in March 2021. The normal forecast was able to handle the drop and rise of employment since the upper bound difference and lower bound difference are similar.

This suggest that average weekly earnings are less sensitive to the business closures and quarantine than total private employment since total private employment is directly affected by the sudden job loss and job gain. Unlike total private employment, average weekly earnings would only change if the minimum wage suddenly changed.

1. **Appendix A: Clean Do File**

\* Name: Marie Hasegawa

\* Date: 4/3/2021

\* Title: Hasegawa Orlando Project

clear

set more off

cd "C:\Users\Jing Jing\Desktop\Orlando Time Series Project"

log using "Hasegawa Orlando Project", replace

import delimited using "Time\_Series\_Orlando\_Project\_Monthly.txt"

\*smu12367400500000001 refers to All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA)

\*smu12367400500000002 refers to Average Hourly Earnings of All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA)

\*smu12367400500000003 refers to Average Weekly Earnings of All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA)

\*smu12367400500000011 refers to Average Weekly Hours of All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA)

\*\* data prep

rename date datestring

gen dateday=date(datestring,"YMD")

gen date=mofd(dateday)

format date %tm

tsset date

tsappend, add(1)

generate month=month(dofm(date))

keep if date>=tm(1990m1)

\*All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA), source: Federal Reserve Bank of St. Louis, U.S. Bureau of Labor Statistics, Thousands of Persons

rename smu12367400500000001 total\_priv\_emp1000

\*generate month=month(dateday)

\* Average Weekly Hours of All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA), Federal Reserve Bank of St. Louis U.S. Bureau of Labor Statistics, Hours per Week

rename smu12367400500000002 avg\_weekly\_hourly

\*Average Hourly Earnings of All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA), Federal Reserve Bank of St. Louis U.S. Bureau of Labor Statistics, Dollars per Hour

rename smu12367400500000003 avg\_hourly\_dollar

\*Average Weekly Earnings of All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA), Federal Reserve Bank of St. Louis U.S. Bureau of Labor, Dollars per Week Statistics

rename smu12367400500000011 avg\_weekly\_dollar

gen lnemp1000=ln(total\_priv\_emp1000)

gen lnavg\_WeekHour=ln(avg\_weekly\_hour)

gen lnavg\_HourDolla=ln(avg\_hourly\_dollar)

gen lnavg\_WeekDolla=ln(avg\_weekly\_dollar)

tab month, generate(m)

\*summary statistics

summarize date lnemp1000 lnavg\_WeekDolla lnavg\_HourDolla lnavg\_WeekHour

\*estat ic

\*regression

reg d.lnavg\_WeekDolla l(1,2,3,6,12,24)d.lnavg\_WeekDolla l(1,2,3)d.lnemp1000 l(1,2,3)d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour

reg d.lnemp1000 l(1,2,3,6,12,24)d.lnemp1000 l(1,2,3)d.lnavg\_WeekDolla l(1,2,3)d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour

\*ACs and PACs

ac lnavg\_WeekDolla if tin(1980m1,2021m2)

pac lnavg\_WeekDolla if tin(1980m1,2021m2)

ac lnemp1000 if tin(1980m1,2021m2)

pac lnemp1000 if tin(1980m1,2021m2)

\*\*So, need to difference

pac d.lnemp1000 if tin(1980m1,2021m2)

\*\*So, need to difference

ac d.lnemp1000 if tin(1980m1,2021m2)

\*\*So, need to difference

pac d.lnavg\_WeekDolla if tin(1980m1,2021m2)

\*\*So, need to difference

ac d.lnavg\_WeekDolla if tin(1980m1,2021m2)

\*tslines

tsline lnemp1000 lnavg\_WeekDolla lnavg\_HourDolla lnavg\_WeekHour

tsline total\_priv\_emp1000 avg\_weekly\_hourly avg\_hourly\_dollar avg\_weekly\_dollar

\*generate differences and lags thereof for use with gsreg

\*lnemp1000 \*\*\*

gen dlnemp1000=d.lnemp1000

gen ldlnemp1000=ld.lnemp1000

gen l2dlnemp1000=l2d.lnemp1000

gen l3dlnemp1000=l3d.lnemp1000

gen l6dlnemp1000=l6d.lnemp1000

gen l12dlnemp1000=l12d.lnemp1000

gen l24dlnemp1000=l24d.lnemp1000

\*lnavg\_WeekDolla \*\*\*

gen dlnavg\_WeekDolla=d.lnavg\_WeekDolla

gen ldlnavg\_WeekDolla=ld.lnavg\_WeekDolla

gen l2dlnavg\_WeekDolla=l2d.lnavg\_WeekDolla

gen l3dlnavg\_WeekDolla=l3d.lnavg\_WeekDolla

gen l6dlnavg\_WeekDolla=l6d.lnavg\_WeekDolla

gen l12dlnavg\_WeekDolla=l12d.lnavg\_WeekDolla

gen l24dlnavg\_WeekDolla=l24d.lnavg\_WeekDolla

\*lnavg\_HourDolla

gen ldlnavg\_HourDolla=ld.lnavg\_HourDolla

gen l2dlnavg\_HourDolla=l2d.lnavg\_HourDolla

gen l3dlnavg\_HourDolla=l3d.lnavg\_HourDolla

\*lnavg\_WeekHour

gen ldlnavg\_WeekHour=ld.lnavg\_WeekHour

gen l2dlnavg\_WeekHour=l2d.lnavg\_WeekHour

gen l3dlnavg\_WeekHour=l3d.lnavg\_WeekHour

\* FOR dlnemp1000

\*gsreg dlnemp1000 ldlnemp1000 l2dlnemp1000 l3dlnemp1000 l6dlnemp1000 l12dlnemp1000 l24dlnemp1000 ldlnavg\_WeekDolla l2dlnavg\_WeekDolla l3dlnavg\_WeekDolla ldlnavg\_HourDolla l2dlnavg\_HourDolla l3dlnavg\_HourDolla ldlnavg\_WeekHour l2dlnavg\_WeekHour l3dlnavg\_WeekHour, results(ps5models\_dlnemp1000.dta) replace fix(m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12) ncomb(1,9) aic outsample(24) nindex( -1 aic -1 bic -1 r\_sqr\_a) samesample

\* FOR dlnavg\_WeekDolla

\* gsreg dlnavg\_WeekDolla ldlnavg\_WeekDolla l2dlnavg\_WeekDolla l3dlnavg\_WeekDolla l6dlnavg\_WeekDolla l12dlnavg\_WeekDolla l24dlnavg\_WeekDolla ldlnemp1000 l2dlnemp1000 l3dlnemp1000 ldlnavg\_HourDolla l2dlnavg\_HourDolla l3dlnavg\_HourDolla ldlnavg\_WeekHour l2dlnavg\_WeekHour l3dlnavg\_WeekHour, results(ps5models\_dlnavg\_WeekDolla.dta) replace fix(m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12) ncomb(1,9) aic outsample(24) nindex( -1 aic -1 bic -1 r\_sqr\_a) samesample

/\*

Checking the gsreg output, the best model for dlnemp1000:

GRSEG Rank NORMAL:

d.lnemp1000 l(1,2,3,6,12,24)d.lnemp1000 l(1,2,3)d.lnavg\_WeekDolla l(1,2,3)d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour

GRSEG Rank 1 has aic, bic, and r\_sqr\_a of -1195.081, -1147.676, and .810672:

d.lnemp1000 l(1,2,3)d.lnemp1000 ld.lnavg\_WeekHour

GRSEG Rank 2 has aic, bic, and r\_sqr\_a of -1195.752, -1145.384, and .812701:

d.lnemp1000 l(1,2,3)d.lnemp1000 l(2)d.lnavg\_WeekDolla ld.lnavg\_WeekHour

GRSEG Rank 5 has aic, bic, and r\_sqr\_a of -1198.513, -1145.181, and .8173841:

d.lnemp1000 l(1,2,3)d.lnemp1000 ld.lnavg\_WeekDolla ld.lnavg\_HourDolla ld.lnavg\_WeekHour

GRSEG Rank 13 has aic, bic, and r\_sqr\_a of -1199.434, -1143.14, and .819634:

d.lnemp1000 l(1,2,3)d.lnemp1000 l(1,2)d.lnavg\_WeekDolla ld.lnavg\_HourDolla ld.lnavg\_WeekHour

Checking the gsreg output, the best model for dlnavg\_WeekDolla:

GRSEG Rank NORMAL:

d.lnavg\_WeekDolla l(1,2,3,6,12,24)d.lnavg\_WeekDolla l(1,2,3)d.lnemp1000 l(1,2,3)d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour

GRSEG Rank 1 has aic, bic, and r\_sqr\_a of -658.9932, -622.5409, and .0889874:

d.lnavg\_WeekDolla ld.lnavg\_WeekDolla

GRSEG Rank 2 has aic, bic, and r\_sqr\_a of -660.822, -621.5657, and .1089599:

d.lnavg\_WeekDolla l(1,2)d.lnavg\_WeekDolla

GRSEG Rank 13 has aic, bic, and r\_sqr\_a of -660.6411, -618.5807, and .1139424:

d.lnavg\_WeekDolla ld.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour

GRSEG Rank 18 has aic, bic, and r\_sqr\_a of -660.3221, -618.2617, and .1116227:

d.lnavg\_WeekDolla l(1,2)d.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour

\*/

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Rolling window program for GSREG Normal for dlnemp1000

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/722 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnemp1000 l(1,2,3,6,12,24)d.lnemp1000 l(1,2,3)d.lnavg\_WeekDolla l(1,2,3)d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\*Rolling window program for GSREG Rank 1 for dlnemp1000

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/722 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnemp1000 l(1,2,3)d.lnemp1000 ld.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\*Rolling window program for GSREG Rank 2 for dlnemp1000

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/722 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnemp1000 l(1,2,3)d.lnemp1000 l(2)d.lnavg\_WeekDolla ld.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\*Rolling window program for GSREG Rank 5 for dlnemp1000

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/722 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnemp1000 l(1,2,3)d.lnemp1000 ld.lnavg\_WeekDolla ld.lnavg\_HourDolla ld.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\*Rolling window program for GSREG Rank 13 for dlnemp1000

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/722 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnemp1000 l(1,2,3)d.lnemp1000 l(1,2)d.lnavg\_WeekDolla ld.lnavg\_HourDolla ld.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\* Normal for dlnemp1000: RWrmse96 = .00308708

\* GSREG Rank 1 for dlnemp1000: RWrmse96 = .00249426

\*\*\*\* BEST SELECTION: GSREG Rank 2 for dlnemp1000: RWrmse72 = .00244325\*\*\*\*

\* GSREG Rank 5 for dlnemp1000: RWrmse96 = .00263625

\* GSREG Rank 13 for dlnemp1000: RWrmse72 = .00267527

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Rolling window program for GSREG Normal for dlnavg\_WeekDolla

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/722 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnavg\_WeekDolla l(1,2,3,6,12,24)d.lnavg\_WeekDolla l(1,2,3)d.lnemp1000 l(1,2,3)d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\*Rolling window program for GSREG 1 for dlnavg\_WeekDolla

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/720 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnavg\_WeekDolla ld.lnavg\_WeekDolla m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\*Rolling window program for GSREG 2 for dlnavg\_WeekDolla

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/720 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnavg\_WeekDolla l(1,2)d.lnavg\_WeekDolla m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\*Rolling window program for GSREG 13 for dlnavg\_WeekDolla

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/720 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnavg\_WeekDolla ld.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\*Rolling window program for GSREG 18 for dlnavg\_WeekDolla

scalar drop \_all

quietly forvalues w=36(12)180 {

gen pred=.

gen nobs=.

forvalues t=696/720 {

gen wstart=`t'-`w'

gen wend=`t'-1

reg d.lnavg\_WeekDolla l(1,2)d.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen errsq=(pred-d.lnemp1000)^2

summ errsq

scalar RWrmse`w'=r(mean)^.5

summ nobs

scalar RWminobs`w'=r(min)

scalar RWmaxobs`w'=r(max)

drop errsq pred nobs

}

scalar list

\* Normal for dlnavg\_WeekDolla: RWrmse96 = .01143803

\*GSREG Rank 1 for dlnavg\_WeekDolla: RWrmse120 = .00885828

\* GSREG Rank 2 for dlnavg\_WeekDolla: RWrmse132 = .00949921

\*\*\*\* BEST SELECTION: GSREG Rank 13 for dlnavg\_WeekDolla: RWrmse120 = .00862317

\* GSREG Rank 18 for dlnavg\_WeekDolla: RWrmse120 = .00980841

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\* BEST SELECTION: GSREG Rank 2 for dlnemp1000: RWrmse72 = .00244325\*\*\*\*

\*GRSEG Rank 2 has aic, bic, and r\_sqr\_a of -1195.752, -1145.384, and .812701:

\* d.lnemp1000 l(1,2,3)d.lnemp1000 l(2)d.lnavg\_WeekDolla ld.lnavg\_WeekHour

\*Rolling window program for GSREG Rank 2 for dlnemp1000

scalar drop \_all

gen pred=.

gen nobs=.

forvalues t=663/733 {

gen wstart=`t'-96

gen wend=`t'-1

reg d.lnemp1000 l(1,2,3)d.lnemp1000 l(2)d.lnavg\_WeekDolla ld.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen res=d.lnemp1000-pred

gen errsq=res^2

summ errsq

scalar RWrmse96=r(mean)^.5

summ nobs

scalar RWminobs96=r(min)

scalar RWmaxobs96=r(max)

scalar list

\*Forecast from selected model for dlnemp1000

reg d.lnemp1000 l(1,2,3,6,12,24)d.lnemp1000 l(1,2,3)d.lnavg\_WeekDolla m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if tin(2017m1,2021m2)

predict temp if date==tm(2021m3)

replace pred=temp if date==tm(2021m3)

\*Empirical forecast and interval for dlnemp1000

gen expres=exp(res)

summ expres

gen epy=exp(l.lnemp1000+pred)\*r(mean)

\_pctile res, percentiles(2.5,97.5)

gen eub=epy\*exp(r(r2))

gen elb=epy\*exp(r(r1))

twoway (scatter total\_priv\_emp1000 date if tin(2017m1,2021m2) , m(Oh) ) (tsline epy eub elb if tin(2017m1,2021m3) , lpattern(solid dash dash) lcolor(black gs10 gs10) ) , saving(ps5\_fcst, replace) scheme(s1mono) ylabel(,grid) xtitle("") legend(label(1 "Private Employment") label(2 "Forecast") label(3 "95% Upper Bound") label(4 "95% Lower Bound") ) title("Florida Private Employment" "One Month Ahead Emprical Forecast")

graph export ps5empfcst.emf, replace

list epy eub elb if date==tm(2021m3)

\*Normal forecast and interval for dlnemp1000

\* 2 sigma interval

gen npy=exp(l.lnemp1000+pred+(RWrmse96^2)/2)

gen nub=npy\*exp(2\*RWrmse96)

gen nlb=npy/exp(2\*RWrmse96)

twoway (scatter total\_priv\_emp1000 date if tin(2017m1,2021m2) , m(Oh) ) (tsline npy nub nlb if tin(2017m1,2021m3) , lpattern(solid dash dash) lcolor(black gs10 gs10) ) , saving(ps5\_fcst, replace) scheme(s1mono) ylabel(,grid) xtitle("") legend(label(1 "private Employment") label(2 "Forecast") label(3 "95% Upper Bound") label(4 "95% Lower Bound") ) title("Florida Private Employment" "One Month Ahead Normal Forecast") note("1) All forecasts are out of sample based on a 96 month rolling window." "2) Inteval based on percentiles +-1.95 RMMSE from the rolling window procedure." "3) Predictors are lags 3, 4, 12, 24 of private employment and lag 4 of the US emp:pop ratio." )

graph export ps5normfcst.emf, replace

list npy nub nlb if date==tm(2021m3)

hist res, frac normal scheme(s1mono) title("Private Employment Empirical Forecast Error Distribution") xtitle("") note("Private Employment for March For 96 month rolling window forecasts.")

graph export ps5errdist.emf , replace

summ res

gen nres=(res-r(mean))/r(sd)

qnorm nres, scheme(s1mono) title("Private Employment Quantile-Normal Plot of Forecast Error") xtitle("Inverse Standard Normal of Residual Percentile") ytitle("Residual Z-Score") xlabel(-6(2)4,grid) ylabel(-6(2)4,grid) note("Private Employment for March For 96 month rolling window forecasts.")

graph export ps5qnorm.emf , replace

\*check the information

\_pctile res, percentiles(2.5,97.5)

return list

summarize date

summarize date if res>=.2055689990520477

summarize date if res==.2055689990520477

summarize date if res==-.1121157556772232

tsline res if tin(2019m6, 2021m1)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\* BEST SELECTION: GSREG Rank 13 for dlnavg\_WeekDolla: RWrmse120 = .00862317 since it is the 2nd smallest RWMSE and has more variables

\*Rolling window program for GSREG Rank 2 for dlnavg\_WeekDolla

scalar drop \_all

gen pred=.

gen nobs=.

forvalues t=663/733 {

gen wstart=`t'-96

gen wend=`t'-1

reg d.lnavg\_WeekDolla ld.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

replace nobs=e(N) if date==`t'

predict ptemp

replace pred=ptemp if date==`t'

drop ptemp wstart wend

}

gen res=d.lnemp1000-pred

gen errsq=res^2

summ errsq

scalar RWrmse96=r(mean)^.5

summ nobs

scalar RWminobs96=r(min)

scalar RWmaxobs96=r(max)

scalar list

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Forecast from selected model for dlnavg\_WeekDolla

reg d.lnavg\_WeekDolla ld.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if tin(2017m1,2021m2)

predict temp if date==tm(2021m3)

replace pred=temp if date==tm(2021m3)

\*Empirical forecast and interval for dlnavg\_WeekDolla

gen expres=exp(res)

summ expres

gen epy=exp(l.lnavg\_WeekDolla+pred)\*r(mean)

\_pctile res, percentiles(2.5,97.5)

gen eub=epy\*exp(r(r2))

gen elb=epy\*exp(r(r1))

twoway (scatter avg\_weekly\_dollar date if tin(2017m1,2021m2) , m(Oh) ) (tsline epy eub elb if tin(2017m1,2021m3) , lpattern(solid dash dash) lcolor(black gs10 gs10) ) , saving(ps5\_fcst, replace) scheme(s1mono) ylabel(,grid) xtitle("") legend(label(1 " Average Weekly Earnings") label(2 "Forecast") label(3 "95% Upper Bound") label(4 "95% Lower Bound") ) title(" Average Weekly Earnings" "One Month Ahead Emprical Forecast")

graph export ps5empfcst.emf, replace

list epy eub elb if date==tm(2021m3)

\*Normal forecast and interval for dlnavg\_WeekDolla

\* 2 sigma interval

gen npy=exp(l.lnavg\_WeekDolla+pred+(RWrmse96^2)/2)

gen nub=npy\*exp(2\*RWrmse96)

gen nlb=npy/exp(2\*RWrmse96)

twoway (scatter avg\_weekly\_dollar date if tin(2017m1,2021m2) , m(Oh) ) (tsline npy nub nlb if tin(2017m1,2021m3) , lpattern(solid dash dash) lcolor(black gs10 gs10) ) , saving(ps5\_fcst, replace) scheme(s1mono) ylabel(,grid) xtitle("") legend(label(1 " Average Weekly Earnings") label(2 "Forecast") label(3 "95% Upper Bound") label(4 "95% Lower Bound") ) title(" Average Weekly Earnings" "One Month Ahead Normal Forecast") note("1) All forecasts are out of sample based on a 96 month rolling window." "2) Inteval based on percentiles +-1.95 RMMSE from the rolling window procedure." "3) Predictors are lags 3, 4, 12, 24 of private employment and lag 4 of the US emp:pop ratio." )

graph export ps5normfcst.emf, replace

list npy nub nlb if date==tm(2021m3)

hist res, frac normal scheme(s1mono) title(" Average Weekly Earnings Empirical Forecast Error Distribution") xtitle("") note("Private Employment for March For 96 month rolling window forecasts.")

graph export ps5errdist.emf , replace

summ res

gen nres=(res-r(mean))/r(sd)

qnorm nres, scheme(s1mono) title(" Average Weekly Earnings Quantile-Normal Plot of Forecast Error") xtitle("Inverse Standard Normal of Residual Percentile") ytitle("Residual Z-Score") xlabel(-6(2)4,grid) ylabel(-6(2)4,grid) note("Private Employment for March For 96 month rolling window forecasts.")

graph export ps5qnorm.emf , replace

1. **Appendix B: Log File**

-------------------------------------------------------------------------------

name: <unnamed>

log: C:\Users\Jing Jing\Desktop\Orlando Time Series Project\Hasegawa Or

> lando Project.smcl

log type: smcl

opened on: 30 Apr 2021, 14:43:26

.

. import delimited using "Time\_Series\_Orlando\_Project\_Monthly.txt"

(5 vars, 374 obs)

.

.

.

. \*smu12367400500000001 refers to All Employees: Total Private in Orlando-Kissi

> mmee-Sanford, FL (MSA)

.

.

.

. \*smu12367400500000002 refers to Average Hourly Earnings of All Employees: Tot

> al Private in Orlando-Kissimmee-Sanford, FL (MSA)

.

.

.

. \*smu12367400500000003 refers to Average Weekly Earnings of All Employees: Tot

> al Private in Orlando-Kissimmee-Sanford, FL (MSA)

.

.

.

. \*smu12367400500000011 refers to Average Weekly Hours of All Employees: Total

> Private in Orlando-Kissimmee-Sanford, FL (MSA)

.

.

.

. \*\* data prep

.

. rename date datestring

.

. gen dateday=date(datestring,"YMD")

.

. gen date=mofd(dateday)

.

. format date %tm

.

. tsset date

time variable: date, 1990m1 to 2021m2

delta: 1 month

.

. tsappend, add(1)

.

. generate month=month(dofm(date))

.

. keep if date>=tm(1990m1)

(0 observations deleted)

.

. \*All Employees: Total Private in Orlando-Kissimmee-Sanford, FL (MSA), source:

> Federal Reserve Bank of St. Louis, U.S. Bureau of Labor Statistics, Thousand

> s of Persons

.

. rename smu12367400500000001 total\_priv\_emp1000

.

. \*generate month=month(dateday)

.

.

.

. \* Average Weekly Hours of All Employees: Total Private in Orlando-Kissimmee-S

> anford, FL (MSA), Federal Reserve Bank of St. Louis U.S. Bureau of Labor Stat

> istics, Hours per Week

.

. rename smu12367400500000002 avg\_weekly\_hourly

.

.

.

. \*Average Hourly Earnings of All Employees: Total Private in Orlando-Kissimmee

> -Sanford, FL (MSA), Federal Reserve Bank of St. Louis U.S. Bureau of Labor St

> atistics, Dollars per Hour

.

. rename smu12367400500000003 avg\_hourly\_dollar

.

.

.

. \*Average Weekly Earnings of All Employees: Total Private in Orlando-Kissimmee

> -Sanford, FL (MSA), Federal Reserve Bank of St. Louis U.S. Bureau of Labor, D

> ollars per Week Statistics

.

. rename smu12367400500000011 avg\_weekly\_dollar

.

.

.

. gen lnemp1000=ln(total\_priv\_emp1000)

(1 missing value generated)

.

. gen lnavg\_WeekHour=ln(avg\_weekly\_hour)

(205 missing values generated)

.

. gen lnavg\_HourDolla=ln(avg\_hourly\_dollar)

(205 missing values generated)

.

. gen lnavg\_WeekDolla=ln(avg\_weekly\_dollar)

(205 missing values generated)

.

.

.

. tab month, generate(m)

month | Freq. Percent Cum.

------------+-----------------------------------

1 | 32 8.53 8.53

2 | 32 8.53 17.07

3 | 32 8.53 25.60

4 | 31 8.27 33.87

5 | 31 8.27 42.13

6 | 31 8.27 50.40

7 | 31 8.27 58.67

8 | 31 8.27 66.93

9 | 31 8.27 75.20

10 | 31 8.27 83.47

11 | 31 8.27 91.73

12 | 31 8.27 100.00

------------+-----------------------------------

Total | 375 100.00

.

.

.

.

.

. \*summary statistics

.

. summarize date lnemp1000 lnavg\_WeekDolla lnavg\_HourDolla lnavg\_WeekHour

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

date | 375 547 108.3974 360 734

lnemp1000 | 374 6.710787 .2483034 6.204962 7.108326

lnavg\_Week~a | 170 6.682291 .0763219 6.529039 6.861984

lnavg\_Hour~a | 170 3.112208 .0894843 2.961658 3.312366

lnavg\_Week~r | 170 3.570082 .0249963 3.496508 3.634951

.

. \*estat ic

.

.

.

. \*regression

.

. reg d.lnavg\_WeekDolla l(1,2,3,6,12,24)d.lnavg\_WeekDolla l(1,2,3)d.lnemp1000 l

> (1,2,3)d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour

Source | SS df MS Number of obs = 145

-------------+---------------------------------- F(15, 129) = 2.31

Model | .007645089 15 .000509673 Prob > F = 0.0060

Residual | .028420818 129 .000220316 R-squared = 0.2120

-------------+---------------------------------- Adj R-squared = 0.1203

Total | .036065907 144 .000250458 Root MSE = .01484

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | 304.2242 314.7868 0.97 0.336 -318.5891 927.0376

L2D. | -298.751 344.9801 -0.87 0.388 -981.3027 383.8006

L3D. | -366.3673 322.1294 -1.14 0.258 -1003.708 270.9735

L6D. | .0052698 .0842246 0.06 0.950 -.1613707 .1719103

L12D. | .1224888 .079224 1.55 0.125 -.0342577 .2792353

L24D. | -.0191252 .0741584 -0.26 0.797 -.1658495 .127599

|

lnemp1000 |

LD. | -.0593622 .0780844 -0.76 0.449 -.213854 .0951296

L2D. | .1252628 .0800591 1.56 0.120 -.0331362 .2836617

L3D. | -.0501117 .0784767 -0.64 0.524 -.2053798 .1051563

|

lnavg\_Hour~a |

LD. | -304.5481 314.7855 -0.97 0.335 -927.3589 318.2627

L2D. | 298.6936 344.9837 0.87 0.388 -383.8652 981.2523

L3D. | 366.3007 322.1249 1.14 0.258 -271.0314 1003.633

|

lnavg\_Week~r |

LD. | -304.6348 314.7831 -0.97 0.335 -927.4409 318.1713

L2D. | 298.4829 344.9909 0.87 0.389 -384.09 981.0557

L3D. | 366.3802 322.1316 1.14 0.257 -270.965 1003.725

|

\_cons | .0020144 .0013096 1.54 0.126 -.0005766 .0046055

------------------------------------------------------------------------------

.

.

.

. reg d.lnemp1000 l(1,2,3,6,12,24)d.lnemp1000 l(1,2,3)d.lnavg\_WeekDolla l(1,2,3

> )d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour

Source | SS df MS Number of obs = 166

-------------+---------------------------------- F(15, 150) = 3.51

Model | .012094794 15 .00080632 Prob > F = 0.0000

Residual | .034493774 150 .000229958 R-squared = 0.2596

-------------+---------------------------------- Adj R-squared = 0.1856

Total | .046588568 165 .000282355 Root MSE = .01516

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .2615398 .0783842 3.34 0.001 .1066601 .4164196

L2D. | -.2112365 .0791655 -2.67 0.008 -.3676601 -.0548129

L3D. | .0180125 .0779861 0.23 0.818 -.1360805 .1721056

L6D. | -.0390964 .0717038 -0.55 0.586 -.1807763 .1025836

L12D. | .4751734 .257197 1.85 0.067 -.0330234 .9833703

L24D. | .3084033 .252379 1.22 0.224 -.1902738 .8070804

|

lnavg\_Week~a |

LD. | -277.3076 302.4758 -0.92 0.361 -874.9712 320.356

L2D. | -114.411 329.1583 -0.35 0.729 -764.7966 535.9746

L3D. | 216.5959 307.8687 0.70 0.483 -391.7234 824.9153

|

lnavg\_Hour~a |

LD. | 277.2677 302.4756 0.92 0.361 -320.3955 874.9309

L2D. | 114.3161 329.161 0.35 0.729 -536.0749 764.707

L3D. | -216.5276 307.8712 -0.70 0.483 -824.852 391.7968

|

lnavg\_Week~r |

LD. | 277.246 302.4754 0.92 0.361 -320.4168 874.9088

L2D. | 114.3234 329.1655 0.35 0.729 -536.0764 764.7233

L3D. | -216.5957 307.8651 -0.70 0.483 -824.9079 391.7166

|

\_cons | -.0006669 .0012692 -0.53 0.600 -.0031748 .0018409

------------------------------------------------------------------------------

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.

.

. \*ACs and PACs

.

. ac lnavg\_WeekDolla if tin(1980m1,2021m2)

.

. pac lnavg\_WeekDolla if tin(1980m1,2021m2)

.

.

.

. ac lnemp1000 if tin(1980m1,2021m2)

.

. pac lnemp1000 if tin(1980m1,2021m2)

.

.

.

. \*\*So, need to difference

.

. pac d.lnemp1000 if tin(1980m1,2021m2)

.

. \*\*So, need to difference

.

. ac d.lnemp1000 if tin(1980m1,2021m2)

.

.

.

.

.

. \*\*So, need to difference

.

. pac d.lnavg\_WeekDolla if tin(1980m1,2021m2)

.

. \*\*So, need to difference

.

. ac d.lnavg\_WeekDolla if tin(1980m1,2021m2)

.

.

.

.

.

. \*tslines

.

. tsline lnemp1000 lnavg\_WeekDolla lnavg\_HourDolla lnavg\_WeekHour

.

. tsline total\_priv\_emp1000 avg\_weekly\_hourly avg\_hourly\_dollar avg\_weekly\_doll

> ar

.

.

.

.

.

. \*generate differences and lags thereof for use with gsreg

.

. \*lnemp1000 \*\*\*

.

. gen dlnemp1000=d.lnemp1000

(2 missing values generated)

.

. gen ldlnemp1000=ld.lnemp1000

(2 missing values generated)

.

. gen l2dlnemp1000=l2d.lnemp1000

(3 missing values generated)

.

. gen l3dlnemp1000=l3d.lnemp1000

(4 missing values generated)

.

. gen l6dlnemp1000=l6d.lnemp1000

(7 missing values generated)

.

. gen l12dlnemp1000=l12d.lnemp1000

(13 missing values generated)

.

. gen l24dlnemp1000=l24d.lnemp1000

(25 missing values generated)

.

.

.

. \*lnavg\_WeekDolla \*\*\*

.

. gen dlnavg\_WeekDolla=d.lnavg\_WeekDolla

(206 missing values generated)

.

. gen ldlnavg\_WeekDolla=ld.lnavg\_WeekDolla

(206 missing values generated)

.

. gen l2dlnavg\_WeekDolla=l2d.lnavg\_WeekDolla

(207 missing values generated)

.

. gen l3dlnavg\_WeekDolla=l3d.lnavg\_WeekDolla

(208 missing values generated)

.

. gen l6dlnavg\_WeekDolla=l6d.lnavg\_WeekDolla

(211 missing values generated)

.

. gen l12dlnavg\_WeekDolla=l12d.lnavg\_WeekDolla

(217 missing values generated)

.

. gen l24dlnavg\_WeekDolla=l24d.lnavg\_WeekDolla

(229 missing values generated)

.

.

.

.

.

. \*lnavg\_HourDolla

.

. gen ldlnavg\_HourDolla=ld.lnavg\_HourDolla

(206 missing values generated)

.

. gen l2dlnavg\_HourDolla=l2d.lnavg\_HourDolla

(207 missing values generated)

.

. gen l3dlnavg\_HourDolla=l3d.lnavg\_HourDolla

(208 missing values generated)

.

.

.

. \*lnavg\_WeekHour

.

. gen ldlnavg\_WeekHour=ld.lnavg\_WeekHour

(206 missing values generated)

.

. gen l2dlnavg\_WeekHour=l2d.lnavg\_WeekHour

(207 missing values generated)

.

. gen l3dlnavg\_WeekHour=l3d.lnavg\_WeekHour

(208 missing values generated)

. \*Rolling window program for GSREG Normal for dlnemp1000

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/722 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnemp1000 l(1,2,3,6,12,24)d.lnemp1000 l(1,2,3)d.lnavg\_WeekDolla l(1,2,3

> )d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m

> 12 if date>=wstart & date<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 154

RWminobs180 = 128

RWrmse180 = .00419142

RWmaxobs168 = 154

RWminobs168 = 128

RWrmse168 = .00419142

RWmaxobs156 = 154

RWminobs156 = 128

RWrmse156 = .00419142

RWmaxobs144 = 144

RWminobs144 = 128

RWrmse144 = .0041952

RWmaxobs132 = 132

RWminobs132 = 128

RWrmse132 = .00413937

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00455979

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .00432618

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .00437832

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .00476978

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .00494022

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .00505821

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .00628645

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .00638181

.

.

.

.

.

.

.

. \*Rolling window program for GSREG Rank 1 for dlnemp1000

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/722 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnemp1000 l(1,2,3)d.lnemp1000 ld.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9

> m10 m11 m12 if date>=wstart & date<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 156

RWminobs180 = 130

RWrmse180 = .00373137

RWmaxobs168 = 156

RWminobs168 = 130

RWrmse168 = .00373137

RWmaxobs156 = 156

RWminobs156 = 130

RWrmse156 = .00373137

RWmaxobs144 = 144

RWminobs144 = 130

RWrmse144 = .00374201

RWmaxobs132 = 132

RWminobs132 = 130

RWrmse132 = .00377204

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00387121

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .00387392

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .00373074

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .00373807

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .00375414

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .00376525

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .00390517

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .00390738

.

.

.

. \*Rolling window program for GSREG Rank 2 for dlnemp1000

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/722 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnemp1000 l(1,2,3)d.lnemp1000 l(2)d.lnavg\_WeekDolla ld.lnavg\_WeekHour m

> 2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 155

RWminobs180 = 129

RWrmse180 = .00379294

RWmaxobs168 = 155

RWminobs168 = 129

RWrmse168 = .00379294

RWmaxobs156 = 155

RWminobs156 = 129

RWrmse156 = .00379294

RWmaxobs144 = 144

RWminobs144 = 129

RWrmse144 = .00379702

RWmaxobs132 = 132

RWminobs132 = 129

RWrmse132 = .00380873

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00403659

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .00405407

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .00397254

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .00394137

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .00393184

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .00389887

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .00423858

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .00423556

.

.

.

. \*Rolling window program for GSREG Rank 5 for dlnemp1000

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/722 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnemp1000 l(1,2,3)d.lnemp1000 ld.lnavg\_WeekDolla ld.lnavg\_HourDolla ld.

> lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=we

> nd

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 156

RWminobs180 = 130

RWrmse180 = .00374622

RWmaxobs168 = 156

RWminobs168 = 130

RWrmse168 = .00374622

RWmaxobs156 = 156

RWminobs156 = 130

RWrmse156 = .00374622

RWmaxobs144 = 144

RWminobs144 = 130

RWrmse144 = .00378429

RWmaxobs132 = 132

RWminobs132 = 130

RWrmse132 = .00383294

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00393096

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .00393316

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .00380907

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .00384687

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .00391817

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .00388777

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .00398452

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .00414303

.

.

.

. \*Rolling window program for GSREG Rank 13 for dlnemp1000

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/722 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnemp1000 l(1,2,3)d.lnemp1000 l(1,2)d.lnavg\_WeekDolla ld.lnavg\_HourDoll

> a ld.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & dat

> e<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 155

RWminobs180 = 129

RWrmse180 = .00383636

RWmaxobs168 = 155

RWminobs168 = 129

RWrmse168 = .00383636

RWmaxobs156 = 155

RWminobs156 = 129

RWrmse156 = .00383636

RWmaxobs144 = 144

RWminobs144 = 129

RWrmse144 = .00384729

RWmaxobs132 = 132

RWminobs132 = 129

RWrmse132 = .00387908

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00410311

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .00415109

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .00404472

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .00405905

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .0040693

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .00401537

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .00424133

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .0043153

.

.

.

.

.

. \* Normal for dlnemp1000: RWrmse96 = .00308708

.

. \* GSREG Rank 1 for dlnemp1000: RWrmse96 = .00249426

.

. \*\*\*\* BEST SELECTION: GSREG Rank 2 for dlnemp1000: RWrmse72 = .00244325\*\*\*\*

.

. \* GSREG Rank 5 for dlnemp1000: RWrmse96 = .00263625

.

. \* GSREG Rank 13 for dlnemp1000: RWrmse72 = .00267527

.

.

.

.

.

. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

> \*\*\*\*\*\*\*\*

.

. \*Rolling window program for GSREG Normal for dlnavg\_WeekDolla

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/722 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnavg\_WeekDolla l(1,2,3,6,12,24)d.lnavg\_WeekDolla l(1,2,3)d.lnemp1000 l

> (1,2,3)d.lnavg\_HourDolla l(1,2,3)d.lnavg\_WeekHour m2 m3 m4 m5 m6 m7 m8 m9 m10

> m11 m12 if date>=wstart & date<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 133

RWminobs180 = 107

RWrmse180 = .01157142

RWmaxobs168 = 133

RWminobs168 = 107

RWrmse168 = .01157142

RWmaxobs156 = 133

RWminobs156 = 107

RWrmse156 = .01157142

RWmaxobs144 = 133

RWminobs144 = 107

RWrmse144 = .01157142

RWmaxobs132 = 132

RWminobs132 = 107

RWrmse132 = .01157144

RWmaxobs120 = 120

RWminobs120 = 107

RWrmse120 = .01136785

RWmaxobs108 = 108

RWminobs108 = 107

RWrmse108 = .01189654

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .0110357

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .01388502

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .01457746

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .01572275

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .01707637

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .01981397

.

.

.

. \*Rolling window program for GSREG 1 for dlnavg\_WeekDolla

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/720 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnavg\_WeekDolla ld.lnavg\_WeekDolla m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12

> if date>=wstart & date<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 154

RWminobs180 = 130

RWrmse180 = .00829411

RWmaxobs168 = 154

RWminobs168 = 130

RWrmse168 = .00829411

RWmaxobs156 = 154

RWminobs156 = 130

RWrmse156 = .00829411

RWmaxobs144 = 144

RWminobs144 = 130

RWrmse144 = .00828246

RWmaxobs132 = 132

RWminobs132 = 130

RWrmse132 = .00803647

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00785828

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .00854019

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .00807877

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .00859697

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .00843515

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .00835812

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .00899981

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .01088103

.

.

.

. \*Rolling window program for GSREG 2 for dlnavg\_WeekDolla

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/720 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnavg\_WeekDolla l(1,2)d.lnavg\_WeekDolla m1 m2 m3 m4 m5 m6 m7 m8 m9 m10

> m11 m12 if date>=wstart & date<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 153

RWminobs180 = 129

RWrmse180 = .00974386

RWmaxobs168 = 153

RWminobs168 = 129

RWrmse168 = .00974386

RWmaxobs156 = 153

RWminobs156 = 129

RWrmse156 = .00974386

RWmaxobs144 = 144

RWminobs144 = 129

RWrmse144 = .00978351

RWmaxobs132 = 132

RWminobs132 = 129

RWrmse132 = .00949921

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00953922

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .01028995

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .01023265

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .01164557

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .01149215

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .01154391

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .0122441

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .01317656

.

.

.

. \*Rolling window program for GSREG 13 for dlnavg\_WeekDolla

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/720 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnavg\_WeekDolla ld.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour

> m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 153

RWminobs180 = 129

RWrmse180 = .00865055

RWmaxobs168 = 153

RWminobs168 = 129

RWrmse168 = .00865055

RWmaxobs156 = 153

RWminobs156 = 129

RWrmse156 = .00865055

RWmaxobs144 = 144

RWminobs144 = 129

RWrmse144 = .00870146

RWmaxobs132 = 132

RWminobs132 = 129

RWrmse132 = .00865593

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00862317

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .00942076

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .00918691

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .01000511

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .00953545

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .00956966

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .01079291

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .01362003

.

.

.

. \*Rolling window program for GSREG 18 for dlnavg\_WeekDolla

.

. scalar drop \_all

.

. quietly forvalues w=36(12)180 {

.

. gen pred=.

.

. gen nobs=.

.

. forvalues t=696/720 {

.

. gen wstart=`t'-`w'

.

. gen wend=`t'-1

.

. reg d.lnavg\_WeekDolla l(1,2)d.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_Wee

> kHour m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

.

. replace nobs=e(N) if date==`t'

.

. predict ptemp

.

. replace pred=ptemp if date==`t'

.

. drop ptemp wstart wend

.

. }

.

. gen errsq=(pred-d.lnemp1000)^2

.

. summ errsq

.

. scalar RWrmse`w'=r(mean)^.5

.

. summ nobs

.

. scalar RWminobs`w'=r(min)

.

. scalar RWmaxobs`w'=r(max)

.

. drop errsq pred nobs

.

. }

.

. scalar list

RWmaxobs180 = 153

RWminobs180 = 129

RWrmse180 = .00984344

RWmaxobs168 = 153

RWminobs168 = 129

RWrmse168 = .00984344

RWmaxobs156 = 153

RWminobs156 = 129

RWrmse156 = .00984344

RWmaxobs144 = 144

RWminobs144 = 129

RWrmse144 = .0099045

RWmaxobs132 = 132

RWminobs132 = 129

RWrmse132 = .00987862

RWmaxobs120 = 120

RWminobs120 = 120

RWrmse120 = .00980841

RWmaxobs108 = 108

RWminobs108 = 108

RWrmse108 = .01026347

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .01046207

RWmaxobs84 = 84

RWminobs84 = 84

RWrmse84 = .0119581

RWmaxobs72 = 72

RWminobs72 = 72

RWrmse72 = .01179911

RWmaxobs60 = 60

RWminobs60 = 60

RWrmse60 = .01197677

RWmaxobs48 = 48

RWminobs48 = 48

RWrmse48 = .01281748

RWmaxobs36 = 36

RWminobs36 = 36

RWrmse36 = .01360973

.

.

.

. \*Rolling window program for GSREG Rank 2 for dlnemp1000

.

. scalar drop \_all

.

.

.

. gen pred=.

(375 missing values generated)

.

. gen nobs=.

(375 missing values generated)

.

. forvalues t=663/733 {

2.

. gen wstart=`t'-96

3.

. gen wend=`t'-1

4.

. reg d.lnemp1000 l(1,2,3)d.lnemp1000 l(2)d.lnavg\_WeekDolla ld.lnavg\_WeekHour m

> 2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

5.

. replace nobs=e(N) if date==`t'

6.

. predict ptemp

7.

. replace pred=ptemp if date==`t'

8.

. drop ptemp wstart wend

9.

. }

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.49

Model | .005441261 16 .000340079 Prob > F = 0.0000

Residual | .000698084 79 8.8365e-06 R-squared = 0.8863

-------------+---------------------------------- Adj R-squared = 0.8633

Total | .006139345 95 .000064625 Root MSE = .00297

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .4005282 .1091017 3.67 0.000 .1833668 .6176896

L2D. | .199781 .1135319 1.76 0.082 -.0261986 .4257606

L3D. | .2288405 .1092652 2.09 0.039 .0113536 .4463275

|

lnavg\_Week~a |

L2D. | .0108896 .018418 0.59 0.556 -.0257706 .0475498

|

lnavg\_Week~r |

LD. | -.0500461 .0304395 -1.64 0.104 -.1106345 .0105422

|

m2 | .0348094 .0026983 12.90 0.000 .0294386 .0401803

m3 | .0287422 .003643 7.89 0.000 .0214911 .0359933

m4 | .0223177 .0030418 7.34 0.000 .0162633 .0283722

m5 | .0210147 .0016006 13.13 0.000 .0178288 .0242006

m6 | .0194233 .001854 10.48 0.000 .0157331 .0231136

m7 | .0179183 .0016077 11.15 0.000 .0147183 .0211183

m8 | .0241098 .0016953 14.22 0.000 .0207354 .0274841

m9 | .0219193 .0019617 11.17 0.000 .0180146 .025824

m10 | .0284762 .0017299 16.46 0.000 .025033 .0319194

m11 | .0295948 .0019394 15.26 0.000 .0257346 .033455

m12 | .0198591 .0019652 10.11 0.000 .0159473 .0237708

\_cons | -.0222657 .0013174 -16.90 0.000 -.024888 -.0196434

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 37.81

Model | .005472621 16 .000342039 Prob > F = 0.0000

Residual | .000714628 79 9.0459e-06 R-squared = 0.8845

-------------+---------------------------------- Adj R-squared = 0.8611

Total | .006187249 95 .000065129 Root MSE = .00301

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3791162 .1103698 3.43 0.001 .1594305 .5988018

L2D. | .2140882 .1145408 1.87 0.065 -.0138995 .4420759

L3D. | .2532021 .1112523 2.28 0.026 .0317599 .4746443

|

lnavg\_Week~a |

L2D. | .0131126 .0185798 0.71 0.482 -.0238696 .0500948

|

lnavg\_Week~r |

LD. | -.0571669 .0314154 -1.82 0.073 -.1196977 .0053638

|

m2 | .0342954 .0027394 12.52 0.000 .0288428 .0397481

m3 | .0294037 .0036701 8.01 0.000 .0220985 .0367088

m4 | .0241027 .003115 7.74 0.000 .0179024 .030303

m5 | .0209253 .0016219 12.90 0.000 .0176971 .0241536

m6 | .0194999 .0018752 10.40 0.000 .0157674 .0232324

m7 | .0181155 .001625 11.15 0.000 .0148809 .02135

m8 | .0241878 .0017144 14.11 0.000 .0207754 .0276001

m9 | .0221878 .0019802 11.20 0.000 .0182462 .0261293

m10 | .028754 .0017477 16.45 0.000 .0252753 .0322327

m11 | .0299293 .0019584 15.28 0.000 .0260313 .0338274

m12 | .0201958 .0019873 10.16 0.000 .0162401 .0241515

\_cons | -.0224712 .0013293 -16.90 0.000 -.0251171 -.0198253

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.08

Model | .00551463 16 .000344664 Prob > F = 0.0000

Residual | .000715025 79 9.0510e-06 R-squared = 0.8852

-------------+---------------------------------- Adj R-squared = 0.8620

Total | .006229655 95 .000065575 Root MSE = .00301

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3876399 .1081138 3.59 0.001 .1724448 .6028349

L2D. | .2095809 .1134315 1.85 0.068 -.0161988 .4353606

L3D. | .2521743 .1116274 2.26 0.027 .0299854 .4743631

|

lnavg\_Week~a |

L2D. | .0136332 .0187202 0.73 0.469 -.0236284 .0508949

|

lnavg\_Week~r |

LD. | -.0585052 .0313931 -1.86 0.066 -.1209915 .0039811

|

m2 | .0344295 .0027245 12.64 0.000 .0290066 .0398525

m3 | .0292416 .0036264 8.06 0.000 .0220234 .0364598

m4 | .024046 .0031242 7.70 0.000 .0178275 .0302645

m5 | .02096 .001618 12.95 0.000 .0177396 .0241805

m6 | .0194595 .0018687 10.41 0.000 .0157399 .0231792

m7 | .0181052 .0016251 11.14 0.000 .0148706 .0213398

m8 | .0241976 .0017153 14.11 0.000 .0207833 .0276119

m9 | .0221323 .0019735 11.21 0.000 .0182041 .0260604

m10 | .0287317 .001748 16.44 0.000 .0252524 .032211

m11 | .0298588 .0019475 15.33 0.000 .0259824 .0337351

m12 | .0201085 .0019781 10.17 0.000 .0161711 .0240459

\_cons | -.0224442 .0013267 -16.92 0.000 -.0250849 -.0198034

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.37

Model | .005519464 16 .000344967 Prob > F = 0.0000

Residual | .00071021 79 8.9900e-06 R-squared = 0.8860

-------------+---------------------------------- Adj R-squared = 0.8629

Total | .006229674 95 .000065576 Root MSE = .003

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3902045 .107629 3.63 0.001 .1759744 .6044346

L2D. | .2114452 .1108942 1.91 0.060 -.0092841 .4321745

L3D. | .247702 .1100445 2.25 0.027 .0286638 .4667402

|

lnavg\_Week~a |

L2D. | .0129672 .0186521 0.70 0.489 -.0241589 .0500933

|

lnavg\_Week~r |

LD. | -.0628201 .0318105 -1.97 0.052 -.1261372 .000497

|

m2 | .0344847 .0026936 12.80 0.000 .0291232 .0398463

m3 | .0292472 .0035803 8.17 0.000 .0221209 .0363736

m4 | .0239427 .0030894 7.75 0.000 .0177934 .030092

m5 | .0209514 .0016086 13.02 0.000 .0177497 .0241532

m6 | .019738 .001804 10.94 0.000 .0161472 .0233287

m7 | .0180983 .0016177 11.19 0.000 .0148784 .0213182

m8 | .0242064 .0016991 14.25 0.000 .0208245 .0275883

m9 | .0221184 .0019562 11.31 0.000 .0182246 .0260121

m10 | .0286901 .0017427 16.46 0.000 .0252213 .0321589

m11 | .0298478 .0019372 15.41 0.000 .0259919 .0337036

m12 | .0200546 .0019718 10.17 0.000 .0161298 .0239794

\_cons | -.0224278 .0013175 -17.02 0.000 -.0250502 -.0198054

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 37.98

Model | .005473423 16 .000342089 Prob > F = 0.0000

Residual | .000711475 79 9.0060e-06 R-squared = 0.8850

-------------+---------------------------------- Adj R-squared = 0.8617

Total | .006184898 95 .000065104 Root MSE = .003

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .390544 .1079338 3.62 0.001 .175707 .6053809

L2D. | .2102807 .1109834 1.89 0.062 -.0106262 .4311876

L3D. | .2427857 .1093919 2.22 0.029 .0250466 .4605249

|

lnavg\_Week~a |

L2D. | .0128845 .0187341 0.69 0.494 -.0244047 .0501738

|

lnavg\_Week~r |

LD. | -.0614684 .0318164 -1.93 0.057 -.1247975 .0018606

|

m2 | .0345152 .0026958 12.80 0.000 .0291494 .0398809

m3 | .029196 .0035814 8.15 0.000 .0220675 .0363246

m4 | .0238206 .0030754 7.75 0.000 .0176992 .0299419

m5 | .020972 .0016092 13.03 0.000 .0177691 .024175

m6 | .0197413 .0018057 10.93 0.000 .0161471 .0233354

m7 | .0179688 .0016007 11.23 0.000 .0147828 .0211549

m8 | .0241835 .0016998 14.23 0.000 .0208002 .0275667

m9 | .0220812 .0019555 11.29 0.000 .0181888 .0259736

m10 | .0286397 .0017392 16.47 0.000 .0251779 .0321016

m11 | .0298114 .0019366 15.39 0.000 .0259567 .0336661

m12 | .0200223 .0019723 10.15 0.000 .0160965 .0239481

\_cons | -.0223969 .0013161 -17.02 0.000 -.0250165 -.0197772

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.04

Model | .005475117 16 .000342195 Prob > F = 0.0000

Residual | .000710677 79 8.9959e-06 R-squared = 0.8851

-------------+---------------------------------- Adj R-squared = 0.8618

Total | .006185795 95 .000065114 Root MSE = .003

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3936653 .1079901 3.65 0.000 .1787163 .6086143

L2D. | .212908 .1110615 1.92 0.059 -.0081544 .4339704

L3D. | .2345635 .1088305 2.16 0.034 .0179418 .4511851

|

lnavg\_Week~a |

L2D. | .0131222 .0186725 0.70 0.484 -.0240444 .0502888

|

lnavg\_Week~r |

LD. | -.0651587 .031917 -2.04 0.045 -.1286879 -.0016295

|

m2 | .0346011 .0026978 12.83 0.000 .0292312 .039971

m3 | .0292354 .0035803 8.17 0.000 .0221089 .0363618

m4 | .02363 .0030653 7.71 0.000 .0175287 .0297313

m5 | .0209881 .0016081 13.05 0.000 .0177873 .0241888

m6 | .0197529 .0018046 10.95 0.000 .0161609 .0233449

m7 | .0179538 .0015991 11.23 0.000 .0147708 .0211368

m8 | .0239005 .0016843 14.19 0.000 .020548 .0272531

m9 | .0220629 .001953 11.30 0.000 .0181756 .0259502

m10 | .0285829 .0017347 16.48 0.000 .0251301 .0320357

m11 | .0297948 .0019348 15.40 0.000 .0259437 .033646

m12 | .0199501 .0019703 10.13 0.000 .0160283 .0238719

\_cons | -.0223799 .0013143 -17.03 0.000 -.0249959 -.019764

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 37.92

Model | .005470831 16 .000341927 Prob > F = 0.0000

Residual | .00071229 79 9.0163e-06 R-squared = 0.8848

-------------+---------------------------------- Adj R-squared = 0.8615

Total | .006183121 95 .000065085 Root MSE = .003

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3911175 .1080998 3.62 0.001 .1759503 .6062846

L2D. | .2158483 .111162 1.94 0.056 -.005414 .4371106

L3D. | .2376616 .1087946 2.18 0.032 .0211112 .4542119

|

lnavg\_Week~a |

L2D. | .0131244 .0187407 0.70 0.486 -.0241781 .0504269

|

lnavg\_Week~r |

LD. | -.0644626 .0319108 -2.02 0.047 -.1279795 -.0009456

|

m2 | .0345618 .0027005 12.80 0.000 .0291865 .039937

m3 | .0293402 .0035807 8.19 0.000 .022213 .0364674

m4 | .0237137 .0030649 7.74 0.000 .0176131 .0298143

m5 | .0209879 .0016099 13.04 0.000 .0177834 .0241924

m6 | .0197788 .0018059 10.95 0.000 .0161843 .0233733

m7 | .0179823 .0016 11.24 0.000 .0147975 .0211671

m8 | .0239214 .0016857 14.19 0.000 .0205661 .0272767

m9 | .0222445 .0019188 11.59 0.000 .0184253 .0260637

m10 | .0286323 .001734 16.51 0.000 .0251808 .0320837

m11 | .0298457 .0019356 15.42 0.000 .025993 .0336984

m12 | .020001 .0019709 10.15 0.000 .0160781 .023924

\_cons | -.0224179 .0013139 -17.06 0.000 -.0250332 -.0198027

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.28

Model | .005555233 16 .000347202 Prob > F = 0.0000

Residual | .000716455 79 9.0690e-06 R-squared = 0.8858

-------------+---------------------------------- Adj R-squared = 0.8626

Total | .006271688 95 .000066018 Root MSE = .00301

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3985566 .1081163 3.69 0.000 .1833565 .6137567

L2D. | .2109283 .1114271 1.89 0.062 -.0108618 .4327185

L3D. | .2414903 .1090914 2.21 0.030 .0243493 .4586313

|

lnavg\_Week~a |

L2D. | .0148262 .0188482 0.79 0.434 -.0226902 .0523426

|

lnavg\_Week~r |

LD. | -.067882 .0318356 -2.13 0.036 -.1312491 -.0045149

|

m2 | .0346257 .002707 12.79 0.000 .0292375 .0400139

m3 | .0292232 .0035889 8.14 0.000 .0220797 .0363666

m4 | .0237862 .003074 7.74 0.000 .0176675 .0299049

m5 | .0209607 .0016144 12.98 0.000 .0177473 .0241741

m6 | .0197396 .0018105 10.90 0.000 .0161359 .0233434

m7 | .017987 .0016047 11.21 0.000 .0147929 .0211812

m8 | .0239375 .0016905 14.16 0.000 .0205726 .0273024

m9 | .0222044 .0019241 11.54 0.000 .0183746 .0260341

m10 | .0287903 .0017348 16.60 0.000 .0253372 .0322434

m11 | .0298047 .0019407 15.36 0.000 .0259419 .0336676

m12 | .0199451 .0019756 10.10 0.000 .0160128 .0238775

\_cons | -.0224139 .0013177 -17.01 0.000 -.0250367 -.0197911

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.57

Model | .005568318 16 .00034802 Prob > F = 0.0000

Residual | .000712833 79 9.0232e-06 R-squared = 0.8865

-------------+---------------------------------- Adj R-squared = 0.8635

Total | .006281152 95 .000066117 Root MSE = .003

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3904669 .1074142 3.64 0.000 .1766643 .6042695

L2D. | .2140664 .1112415 1.92 0.058 -.0073542 .435487

L3D. | .2461791 .1086923 2.26 0.026 .0298325 .4625256

|

lnavg\_Week~a |

L2D. | .0114414 .0195428 0.59 0.560 -.0274576 .0503404

|

lnavg\_Week~r |

LD. | -.0667505 .031726 -2.10 0.039 -.1298996 -.0036014

|

m2 | .0344948 .0026842 12.85 0.000 .0291521 .0398375

m3 | .0292701 .00358 8.18 0.000 .0221443 .0363959

m4 | .0239136 .0030612 7.81 0.000 .0178203 .0300068

m5 | .0209295 .0016105 13.00 0.000 .0177238 .0241351

m6 | .0197094 .0018065 10.91 0.000 .0161136 .0233052

m7 | .0179884 .0016007 11.24 0.000 .0148023 .0211744

m8 | .023904 .001685 14.19 0.000 .02055 .0272579

m9 | .0222484 .0019204 11.59 0.000 .0184259 .0260709

m10 | .0288208 .0017308 16.65 0.000 .0253757 .0322659

m11 | .0295189 .0019363 15.24 0.000 .0256647 .0333731

m12 | .0200362 .0019689 10.18 0.000 .0161171 .0239552

\_cons | -.0224211 .0013144 -17.06 0.000 -.0250374 -.0198048

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.66

Model | .005588992 16 .000349312 Prob > F = 0.0000

Residual | .000713738 79 9.0347e-06 R-squared = 0.8868

-------------+---------------------------------- Adj R-squared = 0.8638

Total | .00630273 95 .000066345 Root MSE = .00301

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3885107 .1074114 3.62 0.001 .1747136 .6023078

L2D. | .2182509 .110526 1.97 0.052 -.0017455 .4382474

L3D. | .2472343 .1087122 2.27 0.026 .0308482 .4636205

|

lnavg\_Week~a |

L2D. | .0106559 .0195861 0.54 0.588 -.0283293 .0496411

|

lnavg\_Week~r |

LD. | -.0656227 .031721 -2.07 0.042 -.1287617 -.0024837

|

m2 | .0344938 .0026896 12.82 0.000 .0291402 .0398474

m3 | .0293762 .0035689 8.23 0.000 .0222724 .03648

m4 | .0239435 .0030623 7.82 0.000 .0178482 .0300388

m5 | .0209378 .0016114 12.99 0.000 .0177305 .0241451

m6 | .0197366 .0018059 10.93 0.000 .016142 .0233312

m7 | .0180129 .0015998 11.26 0.000 .0148285 .0211973

m8 | .0239285 .0016843 14.21 0.000 .020576 .027281

m9 | .0223056 .0019131 11.66 0.000 .0184976 .0261136

m10 | .0288619 .001727 16.71 0.000 .0254243 .0322995

m11 | .0295593 .0019345 15.28 0.000 .0257088 .0334098

m12 | .0202159 .0019316 10.47 0.000 .0163712 .0240607

\_cons | -.0224556 .0013108 -17.13 0.000 -.0250648 -.0198465

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 37.67

Model | .005521604 16 .0003451 Prob > F = 0.0000

Residual | .000723813 79 9.1622e-06 R-squared = 0.8841

-------------+---------------------------------- Adj R-squared = 0.8606

Total | .006245418 95 .000065741 Root MSE = .00303

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3822229 .1080187 3.54 0.001 .1672171 .5972287

L2D. | .224363 .1113317 2.02 0.047 .0027627 .4459633

L3D. | .2380901 .109225 2.18 0.032 .0206832 .455497

|

lnavg\_Week~a |

L2D. | .0071803 .019797 0.36 0.718 -.0322246 .0465852

|

lnavg\_Week~r |

LD. | -.062685 .0320818 -1.95 0.054 -.1265423 .0011723

|

m2 | .0348534 .0027072 12.87 0.000 .0294648 .0402421

m3 | .0298121 .0035708 8.35 0.000 .0227047 .0369195

m4 | .0240971 .0031129 7.74 0.000 .017901 .0302932

m5 | .0213327 .001603 13.31 0.000 .0181421 .0245234

m6 | .0201176 .0017942 11.21 0.000 .0165463 .0236888

m7 | .0183431 .0016095 11.40 0.000 .0151394 .0215468

m8 | .0242609 .0016906 14.35 0.000 .0208957 .027626

m9 | .0226899 .0019116 11.87 0.000 .0188849 .0264949

m10 | .0291738 .0017399 16.77 0.000 .0257106 .032637

m11 | .0299124 .0019366 15.45 0.000 .0260578 .0337671

m12 | .0205947 .0019394 10.62 0.000 .0167343 .024455

\_cons | -.0227905 .0013124 -17.37 0.000 -.0254027 -.0201783

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 37.81

Model | .005534208 16 .000345888 Prob > F = 0.0000

Residual | .00072266 79 9.1476e-06 R-squared = 0.8845

-------------+---------------------------------- Adj R-squared = 0.8611

Total | .006256868 95 .000065862 Root MSE = .00302

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3802429 .1074686 3.54 0.001 .1663321 .5941538

L2D. | .230476 .1111071 2.07 0.041 .0093229 .451629

L3D. | .2356376 .1093466 2.15 0.034 .0179886 .4532866

|

lnavg\_Week~a |

L2D. | .005131 .0194344 0.26 0.792 -.0335521 .0438142

|

lnavg\_Week~r |

LD. | -.0630455 .0320478 -1.97 0.053 -.126835 .000744

|

m2 | .0348131 .0027063 12.86 0.000 .0294263 .0401999

m3 | .029924 .0035635 8.40 0.000 .0228311 .0370169

m4 | .024045 .0031133 7.72 0.000 .0178481 .0302419

m5 | .0213394 .0016018 13.32 0.000 .0181512 .0245277

m6 | .0201324 .0017929 11.23 0.000 .0165636 .0237011

m7 | .0183533 .0016077 11.42 0.000 .0151533 .0215534

m8 | .0242792 .0016896 14.37 0.000 .0209161 .0276423

m9 | .0227446 .0019059 11.93 0.000 .0189509 .0265382

m10 | .0291826 .0017362 16.81 0.000 .0257268 .0326384

m11 | .0299389 .0019326 15.49 0.000 .0260921 .0337857

m12 | .0206099 .0019336 10.66 0.000 .0167612 .0244586

\_cons | -.0228096 .0013097 -17.42 0.000 -.0254166 -.0202026

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.78

Model | .005569175 16 .000348073 Prob > F = 0.0000

Residual | .000709068 79 8.9755e-06 R-squared = 0.8871

-------------+---------------------------------- Adj R-squared = 0.8642

Total | .006278243 95 .000066087 Root MSE = .003

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3830662 .1064568 3.60 0.001 .1711693 .5949632

L2D. | .2327628 .1098943 2.12 0.037 .0140236 .4515019

L3D. | .2285476 .1080849 2.11 0.038 .01341 .4436852

|

lnavg\_Week~a |

L2D. | -.0004849 .0193231 -0.03 0.980 -.0389466 .0379767

|

lnavg\_Week~r |

LD. | -.0642715 .0317426 -2.02 0.046 -.1274535 -.0010894

|

m2 | .034919 .0026819 13.02 0.000 .0295808 .0402572

m3 | .0300486 .0035277 8.52 0.000 .0230269 .0370703

m4 | .0238502 .0030803 7.74 0.000 .017719 .0299814

m5 | .0213294 .0015867 13.44 0.000 .0181713 .0244876

m6 | .0200526 .001777 11.28 0.000 .0165155 .0235897

m7 | .0183032 .0015926 11.49 0.000 .0151332 .0214732

m8 | .0242494 .0016737 14.49 0.000 .020918 .0275809

m9 | .0227223 .001888 12.04 0.000 .0189644 .0264802

m10 | .0291052 .0017196 16.93 0.000 .0256825 .0325279

m11 | .0298445 .0019156 15.58 0.000 .0260316 .0336575

m12 | .0205456 .0019158 10.72 0.000 .0167323 .0243589

\_cons | -.0227498 .0012978 -17.53 0.000 -.025333 -.0201667

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 46.86

Model | .005554722 16 .00034717 Prob > F = 0.0000

Residual | .000585256 79 7.4083e-06 R-squared = 0.9047

-------------+---------------------------------- Adj R-squared = 0.8854

Total | .006139978 95 .000064631 Root MSE = .00272

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3089018 .0978955 3.16 0.002 .1140457 .5037579

L2D. | .2831999 .0998802 2.84 0.006 .0843933 .4820065

L3D. | .2443725 .0982715 2.49 0.015 .048768 .439977

|

lnavg\_Week~a |

L2D. | .0035524 .0175555 0.20 0.840 -.0313908 .0384957

|

lnavg\_Week~r |

LD. | -.0472302 .0290159 -1.63 0.108 -.1049848 .0105245

|

m2 | .033718 .0024503 13.76 0.000 .0288408 .0385951

m3 | .0319393 .003217 9.93 0.000 .0255359 .0383426

m4 | .0263042 .0028212 9.32 0.000 .0206888 .0319196

m5 | .0213938 .0014416 14.84 0.000 .0185244 .0242631

m6 | .0205867 .0016181 12.72 0.000 .0173659 .0238075

m7 | .0185448 .0014473 12.81 0.000 .0156641 .0214255

m8 | .0243123 .0015202 15.99 0.000 .0212865 .0273381

m9 | .0233406 .0017172 13.59 0.000 .0199226 .0267585

m10 | .0295346 .0015649 18.87 0.000 .0264197 .0326494

m11 | .0306436 .0017456 17.55 0.000 .027169 .0341182

m12 | .0213205 .0017479 12.20 0.000 .0178413 .0247996

\_cons | -.0231398 .0011806 -19.60 0.000 -.0254897 -.0207899

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 46.91

Model | .005543354 16 .00034646 Prob > F = 0.0000

Residual | .000583473 79 7.3857e-06 R-squared = 0.9048

-------------+---------------------------------- Adj R-squared = 0.8855

Total | .006126827 95 .000064493 Root MSE = .00272

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .2761596 .1056714 2.61 0.011 .0658259 .4864933

L2D. | .29023 .0991077 2.93 0.004 .0929611 .487499

L3D. | .2596094 .1013742 2.56 0.012 .0578292 .4613897

|

lnavg\_Week~a |

L2D. | .0053322 .017749 0.30 0.765 -.0299963 .0406607

|

lnavg\_Week~r |

LD. | -.0490183 .0290413 -1.69 0.095 -.1068234 .0087869

|

m2 | .0330158 .0026229 12.59 0.000 .0277951 .0382365

m3 | .0324126 .0032258 10.05 0.000 .0259919 .0388333

m4 | .0268247 .002932 9.15 0.000 .0209888 .0326606

m5 | .0214428 .0014328 14.97 0.000 .0185909 .0242947

m6 | .0206585 .0016138 12.80 0.000 .0174463 .0238707

m7 | .0185999 .0014462 12.86 0.000 .0157213 .0214785

m8 | .0242363 .001523 15.91 0.000 .0212048 .0272678

m9 | .023457 .001715 13.68 0.000 .0200434 .0268707

m10 | .0296407 .0015694 18.89 0.000 .0265169 .0327644

m11 | .0309212 .0017703 17.47 0.000 .0273975 .0344449

m12 | .021656 .0017997 12.03 0.000 .0180738 .0252382

\_cons | -.0232236 .0011813 -19.66 0.000 -.025575 -.0208722

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 46.67

Model | .005508007 16 .00034425 Prob > F = 0.0000

Residual | .000582667 79 7.3755e-06 R-squared = 0.9043

-------------+---------------------------------- Adj R-squared = 0.8850

Total | .006090674 95 .000064112 Root MSE = .00272

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .2778988 .1054854 2.63 0.010 .0679354 .4878622

L2D. | .3057712 .1044597 2.93 0.004 .0978494 .5136929

L3D. | .2509555 .1028019 2.44 0.017 .0463334 .4555777

|

lnavg\_Week~a |

L2D. | .0075517 .0181001 0.42 0.678 -.0284757 .043579

|

lnavg\_Week~r |

LD. | -.0528681 .0290476 -1.82 0.073 -.1106858 .0049496

|

m2 | .0331602 .0026318 12.60 0.000 .0279217 .0383986

m3 | .0328687 .0033645 9.77 0.000 .0261718 .0395657

m4 | .026649 .0029509 9.03 0.000 .0207753 .0325226

m5 | .021522 .001441 14.94 0.000 .0186538 .0243901

m6 | .0203846 .0015453 13.19 0.000 .0173087 .0234605

m7 | .0186853 .0014549 12.84 0.000 .0157894 .0215812

m8 | .0243803 .0015469 15.76 0.000 .0213014 .0274592

m9 | .0236146 .0017464 13.52 0.000 .0201386 .0270907

m10 | .0296971 .0015732 18.88 0.000 .0265657 .0328285

m11 | .0310647 .0017942 17.31 0.000 .0274935 .0346359

m12 | .0216448 .001798 12.04 0.000 .018066 .0252235

\_cons | -.0233399 .0012039 -19.39 0.000 -.0257361 -.0209437

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.59

Model | .005417236 16 .000338577 Prob > F = 0.0000

Residual | .000599851 79 7.5931e-06 R-squared = 0.9003

-------------+---------------------------------- Adj R-squared = 0.8801

Total | .006017087 95 .000063338 Root MSE = .00276

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .2470978 .1068935 2.31 0.023 .0343316 .459864

L2D. | .2941961 .1060889 2.77 0.007 .0830314 .5053608

L3D. | .3201638 .1081282 2.96 0.004 .1049399 .5353876

|

lnavg\_Week~a |

L2D. | .0043911 .0185666 0.24 0.814 -.0325647 .041347

|

lnavg\_Week~r |

LD. | -.0628619 .0297454 -2.11 0.038 -.1220687 -.0036552

|

m2 | .0321649 .0026761 12.02 0.000 .0268382 .0374916

m3 | .032897 .0034138 9.64 0.000 .026102 .0396921

m4 | .0284252 .0030713 9.26 0.000 .0223119 .0345385

m5 | .0212887 .0014667 14.51 0.000 .0183693 .0242081

m6 | .0202009 .0015712 12.86 0.000 .0170736 .0233283

m7 | .0190189 .0014623 13.01 0.000 .0161082 .0219295

m8 | .0242912 .0015692 15.48 0.000 .0211679 .0274145

m9 | .0237786 .0017737 13.41 0.000 .0202482 .0273091

m10 | .0301007 .0016065 18.74 0.000 .026903 .0332984

m11 | .0313898 .0018219 17.23 0.000 .0277635 .0350162

m12 | .0222283 .0018329 12.13 0.000 .0185799 .0258767

\_cons | -.0235233 .0012242 -19.22 0.000 -.02596 -.0210867

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.46

Model | .005384125 16 .000336508 Prob > F = 0.0000

Residual | .000597996 79 7.5696e-06 R-squared = 0.9000

-------------+---------------------------------- Adj R-squared = 0.8798

Total | .005982121 95 .00006297 Root MSE = .00275

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .238238 .1027821 2.32 0.023 .0336553 .4428206

L2D. | .2967213 .1050746 2.82 0.006 .0875756 .505867

L3D. | .3168254 .1081033 2.93 0.004 .1016511 .5319997

|

lnavg\_Week~a |

L2D. | .0064378 .018825 0.34 0.733 -.0310325 .0439081

|

lnavg\_Week~r |

LD. | -.0639087 .0297743 -2.15 0.035 -.1231729 -.0046446

|

m2 | .0319981 .0026181 12.22 0.000 .026787 .0372092

m3 | .0330587 .0033608 9.84 0.000 .0263693 .0397481

m4 | .0283995 .0030561 9.29 0.000 .0223165 .0344825

m5 | .0213273 .001465 14.56 0.000 .0184114 .0242433

m6 | .0202483 .0015656 12.93 0.000 .017132 .0233645

m7 | .0190215 .0014591 13.04 0.000 .0161172 .0219258

m8 | .024365 .0015602 15.62 0.000 .0212595 .0274705

m9 | .0237803 .0017648 13.47 0.000 .0202675 .0272931

m10 | .0300722 .0016036 18.75 0.000 .0268803 .0332641

m11 | .0314562 .0017995 17.48 0.000 .0278743 .0350381

m12 | .0222767 .0018081 12.32 0.000 .0186776 .0258757

\_cons | -.0235234 .0012191 -19.30 0.000 -.0259499 -.0210969

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 45.33

Model | .005319126 16 .000332445 Prob > F = 0.0000

Residual | .00057937 79 7.3338e-06 R-squared = 0.9018

-------------+---------------------------------- Adj R-squared = 0.8819

Total | .005898496 95 .000062089 Root MSE = .00271

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .2255084 .1010639 2.23 0.028 .0243458 .4266711

L2D. | .3274827 .0997888 3.28 0.002 .1288581 .5261074

L3D. | .2814088 .1058327 2.66 0.009 .070754 .4920635

|

lnavg\_Week~a |

L2D. | .0085076 .0185619 0.46 0.648 -.0284389 .0454542

|

lnavg\_Week~r |

LD. | -.0735131 .0295884 -2.48 0.015 -.1324073 -.0146189

|

m2 | .0320052 .0025753 12.43 0.000 .0268792 .0371313

m3 | .033945 .0032352 10.49 0.000 .0275054 .0403845

m4 | .0276664 .0029981 9.23 0.000 .0216988 .033634

m5 | .0215088 .0014399 14.94 0.000 .0186426 .0243749

m6 | .0204764 .0015332 13.36 0.000 .0174247 .0235281

m7 | .0190744 .0014334 13.31 0.000 .0162213 .0219276

m8 | .0245122 .0015287 16.03 0.000 .0214694 .0275549

m9 | .0249604 .0016679 14.97 0.000 .0216406 .0282803

m10 | .0299403 .0015806 18.94 0.000 .0267942 .0330865

m11 | .0316735 .0017615 17.98 0.000 .0281674 .0351797

m12 | .0222413 .0017798 12.50 0.000 .0186987 .025784

\_cons | -.023592 .0011931 -19.77 0.000 -.0259669 -.0212172

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 45.95

Model | .00530675 16 .000331672 Prob > F = 0.0000

Residual | .000570277 79 7.2187e-06 R-squared = 0.9030

-------------+---------------------------------- Adj R-squared = 0.8833

Total | .005877027 95 .000061863 Root MSE = .00269

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .1825473 .101838 1.79 0.077 -.0201562 .3852507

L2D. | .3418772 .0980835 3.49 0.001 .1466468 .5371076

L3D. | .2669291 .1035611 2.58 0.012 .0607959 .4730623

|

lnavg\_Week~a |

L2D. | .0086722 .0184076 0.47 0.639 -.0279671 .0453115

|

lnavg\_Week~r |

LD. | -.0673795 .0295906 -2.28 0.025 -.1262782 -.0084809

|

m2 | .0312809 .0025886 12.08 0.000 .0261284 .0364334

m3 | .034519 .003188 10.83 0.000 .0281734 .0408646

m4 | .0274919 .0029555 9.30 0.000 .0216091 .0333746

m5 | .0216071 .0014258 15.15 0.000 .018769 .0244452

m6 | .0206223 .0015169 13.59 0.000 .017603 .0236417

m7 | .0190556 .0014222 13.40 0.000 .0162247 .0218865

m8 | .0243833 .0015198 16.04 0.000 .0213583 .0274084

m9 | .0249968 .0016539 15.11 0.000 .0217049 .0282887

m10 | .029985 .001555 19.28 0.000 .0268897 .0330802

m11 | .0318562 .0017468 18.24 0.000 .0283793 .0353331

m12 | .0224861 .0017725 12.69 0.000 .018958 .0260142

\_cons | -.0235342 .0011844 -19.87 0.000 -.0258916 -.0211768

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 49.79

Model | .005403078 16 .000337692 Prob > F = 0.0000

Residual | .00053577 79 6.7819e-06 R-squared = 0.9098

-------------+---------------------------------- Adj R-squared = 0.8915

Total | .005938849 95 .000062514 Root MSE = .0026

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .1315002 .1012145 1.30 0.198 -.0699622 .3329625

L2D. | .3064205 .0941231 3.26 0.002 .1190732 .4937678

L3D. | .3020101 .1012094 2.98 0.004 .1005579 .5034623

|

lnavg\_Week~a |

L2D. | .0086511 .0178363 0.49 0.629 -.0268512 .0441535

|

lnavg\_Week~r |

LD. | -.0492642 .0293273 -1.68 0.097 -.1076388 .0091104

|

m2 | .0299479 .0025768 11.62 0.000 .024819 .0350769

m3 | .033882 .0030471 11.12 0.000 .0278169 .039947

m4 | .0284627 .0028925 9.84 0.000 .0227054 .03422

m5 | .0214716 .0013814 15.54 0.000 .0187221 .0242212

m6 | .0204532 .0014666 13.95 0.000 .0175339 .0233725

m7 | .0188899 .001378 13.71 0.000 .016147 .0216327

m8 | .0238995 .0014811 16.14 0.000 .0209515 .0268475

m9 | .0246954 .0015967 15.47 0.000 .0215172 .0278735

m10 | .030004 .001506 19.92 0.000 .0270065 .0330016

m11 | .0324731 .001659 19.57 0.000 .0291708 .0357753

m12 | .02293 .0017289 13.26 0.000 .0194887 .0263713

\_cons | -.0232787 .0011456 -20.32 0.000 -.0255589 -.0209984

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 50.00

Model | .005394147 16 .000337134 Prob > F = 0.0000

Residual | .000532724 79 6.7433e-06 R-squared = 0.9101

-------------+---------------------------------- Adj R-squared = 0.8919

Total | .005926872 95 .000062388 Root MSE = .0026

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .1469987 .1033531 1.42 0.159 -.0587205 .3527179

L2D. | .3120298 .0934644 3.34 0.001 .1259936 .498066

L3D. | .3001038 .0991391 3.03 0.003 .1027724 .4974351

|

lnavg\_Week~a |

L2D. | .0085037 .0177819 0.48 0.634 -.0268904 .0438977

|

lnavg\_Week~r |

LD. | -.0460557 .0295204 -1.56 0.123 -.1048146 .0127032

|

m2 | .0303302 .0026192 11.58 0.000 .0251169 .0355435

m3 | .0339288 .0030287 11.20 0.000 .0279004 .0399572

m4 | .0283515 .0028517 9.94 0.000 .0226752 .0340277

m5 | .0214866 .0013755 15.62 0.000 .0187487 .0242244

m6 | .0204875 .0014609 14.02 0.000 .0175797 .0233953

m7 | .0189557 .0013773 13.76 0.000 .0162143 .0216972

m8 | .024011 .0014834 16.19 0.000 .0210584 .0269637

m9 | .0247636 .0015946 15.53 0.000 .0215897 .0279376

m10 | .0300693 .0015036 20.00 0.000 .0270765 .033062

m11 | .032441 .001655 19.60 0.000 .0291468 .0357352

m12 | .0225821 .0017403 12.98 0.000 .0191182 .0260461

\_cons | -.0233546 .0011477 -20.35 0.000 -.0256391 -.0210701

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 42.15

Model | .004714436 16 .000294652 Prob > F = 0.0000

Residual | .000552234 79 6.9903e-06 R-squared = 0.8951

-------------+---------------------------------- Adj R-squared = 0.8739

Total | .00526667 95 .000055439 Root MSE = .00264

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .1660075 .1063292 1.56 0.122 -.0456354 .3776504

L2D. | .2901993 .0983406 2.95 0.004 .0944572 .4859414

L3D. | .2797176 .1025271 2.73 0.008 .0756424 .4837927

|

lnavg\_Week~a |

L2D. | .0040936 .0179121 0.23 0.820 -.0315596 .0397468

|

lnavg\_Week~r |

LD. | -.0447788 .0302442 -1.48 0.143 -.1049784 .0154208

|

m2 | .0296318 .0026606 11.14 0.000 .024336 .0349275

m3 | .0320096 .0032719 9.78 0.000 .025497 .0385222

m4 | .0266932 .0030085 8.87 0.000 .0207049 .0326815

m5 | .0203903 .0014119 14.44 0.000 .01758 .0232007

m6 | .0192678 .0015367 12.54 0.000 .0162091 .0223266

m7 | .0177354 .0014683 12.08 0.000 .014813 .0206579

m8 | .0227734 .0015659 14.54 0.000 .0196566 .0258902

m9 | .0233653 .0017459 13.38 0.000 .0198901 .0268404

m10 | .028708 .0016546 17.35 0.000 .0254145 .0320014

m11 | .0309997 .00179 17.32 0.000 .0274368 .0345625

m12 | .0212341 .0018471 11.50 0.000 .0175576 .0249106

\_cons | -.0220136 .001295 -17.00 0.000 -.0245912 -.0194361

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.69

Model | .004765466 16 .000297842 Prob > F = 0.0000

Residual | .0005265 79 6.6646e-06 R-squared = 0.9005

-------------+---------------------------------- Adj R-squared = 0.8804

Total | .005291966 95 .000055705 Root MSE = .00258

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D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .1404707 .1033026 1.36 0.178 -.0651479 .3460893

L2D. | .3184837 .0968318 3.29 0.002 .1257449 .5112226

L3D. | .2137933 .1054236 2.03 0.046 .0039528 .4236337

|

lnavg\_Week~a |

L2D. | .0024973 .0174773 0.14 0.887 -.0322904 .0372849

|

lnavg\_Week~r |

LD. | -.0661031 .0309718 -2.13 0.036 -.1277509 -.0044553

|

m2 | .0299582 .0025396 11.80 0.000 .0249033 .0350131

m3 | .03265 .0031984 10.21 0.000 .0262838 .0390162

m4 | .0251753 .0030366 8.29 0.000 .0191311 .0312195

m5 | .0204897 .0013795 14.85 0.000 .0177439 .0232354

m6 | .0193309 .0015005 12.88 0.000 .0163441 .0223176

m7 | .0174996 .0014381 12.17 0.000 .0146371 .0203622

m8 | .0226291 .0015302 14.79 0.000 .0195833 .0256748

m9 | .0232287 .0017061 13.62 0.000 .0198329 .0266246

m10 | .0281476 .0016394 17.17 0.000 .0248845 .0314108

m11 | .0309262 .0017458 17.71 0.000 .0274513 .0344011

m12 | .0211523 .0018002 11.75 0.000 .017569 .0247355

\_cons | -.0217259 .0012727 -17.07 0.000 -.024259 -.0191927

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.39

Model | .004743287 16 .000296455 Prob > F = 0.0000

Residual | .000527628 79 6.6788e-06 R-squared = 0.8999

-------------+---------------------------------- Adj R-squared = 0.8796

Total | .005270914 95 .000055483 Root MSE = .00258

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .1021222 .1075546 0.95 0.345 -.1119598 .3162042

L2D. | .2611749 .0976134 2.68 0.009 .0668803 .4554696

L3D. | .2556755 .1074496 2.38 0.020 .0418025 .4695485

|

lnavg\_Week~a |

L2D. | -.0102764 .0177975 -0.58 0.565 -.0457015 .0251487

|

lnavg\_Week~r |

LD. | -.0591833 .0313179 -1.89 0.062 -.12152 .0031534

|

m2 | .0287071 .0026596 10.79 0.000 .0234133 .0340009

m3 | .0311861 .0030881 10.10 0.000 .0250394 .0373327

m4 | .026166 .0030904 8.47 0.000 .0200148 .0323172

m5 | .0201182 .0013842 14.53 0.000 .0173631 .0228734

m6 | .018806 .001504 12.50 0.000 .0158125 .0217996

m7 | .0171014 .0014435 11.85 0.000 .0142282 .0199746

m8 | .0218934 .0015591 14.04 0.000 .0187901 .0249967

m9 | .0226444 .0017094 13.25 0.000 .019242 .0260468

m10 | .0279313 .0016387 17.04 0.000 .0246695 .0311931

m11 | .0306364 .0017385 17.62 0.000 .027176 .0340969

m12 | .0214899 .001823 11.79 0.000 .0178613 .0251186

\_cons | -.0212263 .0012794 -16.59 0.000 -.0237729 -.0186798

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.70

Model | .004676535 16 .000292283 Prob > F = 0.0000

Residual | .00051659 79 6.5391e-06 R-squared = 0.9005

-------------+---------------------------------- Adj R-squared = 0.8804

Total | .005193125 95 .000054664 Root MSE = .00256

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .0999566 .1053339 0.95 0.346 -.1097052 .3096185

L2D. | .2423703 .0975932 2.48 0.015 .0481159 .4366247

L3D. | .2146285 .1046232 2.05 0.044 .0063812 .4228757

|

lnavg\_Week~a |

L2D. | -.0052033 .0177942 -0.29 0.771 -.0406218 .0302152

|

lnavg\_Week~r |

LD. | -.0614429 .0310261 -1.98 0.051 -.1231989 .000313

|

m2 | .0286439 .002602 11.01 0.000 .0234649 .033823

m3 | .0305983 .003075 9.95 0.000 .0244777 .0367188

m4 | .0253882 .0029068 8.73 0.000 .0196025 .031174

m5 | .0201137 .0013686 14.70 0.000 .0173895 .0228379

m6 | .0186772 .0014913 12.52 0.000 .0157088 .0216457

m7 | .0167977 .0014419 11.65 0.000 .0139277 .0196676

m8 | .021571 .001561 13.82 0.000 .018464 .024678

m9 | .0221442 .0017172 12.90 0.000 .0187263 .0255622

m10 | .0273648 .0016442 16.64 0.000 .0240921 .0306375

m11 | .0302753 .0017216 17.59 0.000 .0268485 .033702

m12 | .0211813 .0017852 11.87 0.000 .017628 .0247346

\_cons | -.0207553 .0012965 -16.01 0.000 -.0233359 -.0181747

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.48

Model | .004652143 16 .000290759 Prob > F = 0.0000

Residual | .000516445 79 6.5373e-06 R-squared = 0.9001

-------------+---------------------------------- Adj R-squared = 0.8798

Total | .005168588 95 .000054406 Root MSE = .00256

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .0927941 .1069264 0.87 0.388 -.1200376 .3056259

L2D. | .234667 .0980897 2.39 0.019 .0394243 .4299096

L3D. | .2117193 .1054212 2.01 0.048 .0018837 .4215549

|

lnavg\_Week~a |

L2D. | -.0055825 .0178033 -0.31 0.755 -.0410191 .029854

|

lnavg\_Week~r |

LD. | -.0616462 .0310518 -1.99 0.051 -.1234532 .0001608

|

m2 | .0284575 .0026316 10.81 0.000 .0232193 .0336956

m3 | .0304163 .003084 9.86 0.000 .0242778 .0365548

m4 | .0253365 .002917 8.69 0.000 .0195303 .0311427

m5 | .0202958 .00137 14.81 0.000 .017569 .0230226

m6 | .0186095 .0014967 12.43 0.000 .0156304 .0215885

m7 | .0167046 .0014605 11.44 0.000 .0137976 .0196116

m8 | .0214378 .0015895 13.49 0.000 .018274 .0246015

m9 | .0220096 .0017444 12.62 0.000 .0185375 .0254818

m10 | .0272471 .0016776 16.24 0.000 .0239079 .0305863

m11 | .0302057 .0017289 17.47 0.000 .0267644 .033647

m12 | .021189 .0017848 11.87 0.000 .0176365 .0247414

\_cons | -.020627 .0013345 -15.46 0.000 -.0232832 -.0179709

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.20

Model | .004570313 16 .000285645 Prob > F = 0.0000

Residual | .000510546 79 6.4626e-06 R-squared = 0.8995

-------------+---------------------------------- Adj R-squared = 0.8792

Total | .005080859 95 .000053483 Root MSE = .00254

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .0875825 .1064438 0.82 0.413 -.1242887 .2994537

L2D. | .2071616 .1001606 2.07 0.042 .007797 .4065262

L3D. | .1851695 .1050619 1.76 0.082 -.0239511 .39429

|

lnavg\_Week~a |

L2D. | -.0062986 .0176017 -0.36 0.721 -.0413339 .0287367

|

lnavg\_Week~r |

LD. | -.0618083 .0308652 -2.00 0.049 -.123244 -.0003726

|

m2 | .0282555 .0026251 10.76 0.000 .0230304 .0334805

m3 | .0295918 .0031356 9.44 0.000 .0233507 .035833

m4 | .0246935 .0029059 8.50 0.000 .0189096 .0304775

m5 | .0202677 .0013623 14.88 0.000 .0175561 .0229794

m6 | .0190249 .0014572 13.06 0.000 .0161243 .0219255

m7 | .0163688 .0014757 11.09 0.000 .0134315 .0193061

m8 | .0210206 .0016191 12.98 0.000 .0177978 .0242434

m9 | .0214687 .0017816 12.05 0.000 .0179225 .025015

m10 | .0267284 .0017052 15.67 0.000 .0233343 .0301226

m11 | .0298023 .0017431 17.10 0.000 .0263328 .0332718

m12 | .0209668 .0017734 11.82 0.000 .017437 .0244966

\_cons | -.0201287 .0013795 -14.59 0.000 -.0228744 -.0173829

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.66

Model | .00445174 16 .000278234 Prob > F = 0.0000

Residual | .0004922 79 6.2304e-06 R-squared = 0.9004

-------------+---------------------------------- Adj R-squared = 0.8803

Total | .00494394 95 .000052041 Root MSE = .0025

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .0479267 .1063557 0.45 0.653 -.1637689 .2596224

L2D. | .1905003 .0987914 1.93 0.057 -.0061392 .3871397

L3D. | .1514924 .1047387 1.45 0.152 -.0569848 .3599697

|

lnavg\_Week~a |

L2D. | -.005058 .0171503 -0.29 0.769 -.0391948 .0290788

|

lnavg\_Week~r |

LD. | -.0559681 .0304909 -1.84 0.070 -.1166587 .0047225

|

m2 | .027491 .0026046 10.55 0.000 .0223066 .0326754

m3 | .0292757 .0030842 9.49 0.000 .0231368 .0354147

m4 | .0240616 .0028745 8.37 0.000 .01834 .0297832

m5 | .0203489 .001338 15.21 0.000 .0176857 .0230122

m6 | .0189932 .0014309 13.27 0.000 .016145 .0218414

m7 | .0164348 .0014274 11.51 0.000 .0135937 .0192759

m8 | .02052 .0016131 12.72 0.000 .0173093 .0237308

m9 | .0209771 .0017701 11.85 0.000 .0174539 .0245003

m10 | .0262215 .0016966 15.46 0.000 .0228445 .0295985

m11 | .0296265 .0017145 17.28 0.000 .0262138 .0330392

m12 | .021005 .001741 12.06 0.000 .0175395 .0244704

\_cons | -.0196125 .0013835 -14.18 0.000 -.0223663 -.0168587

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 44.16

Model | .004426007 16 .000276625 Prob > F = 0.0000

Residual | .000494855 79 6.2640e-06 R-squared = 0.8994

-------------+---------------------------------- Adj R-squared = 0.8791

Total | .004920861 95 .000051799 Root MSE = .0025

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .0302436 .1097832 0.28 0.784 -.1882745 .2487617

L2D. | .1862445 .1014908 1.84 0.070 -.0157679 .3882569

L3D. | .1535607 .1050634 1.46 0.148 -.0555627 .3626842

|

lnavg\_Week~a |

L2D. | -.0047629 .0172612 -0.28 0.783 -.0391204 .0295946

|

lnavg\_Week~r |

LD. | -.0519764 .0302555 -1.72 0.090 -.1121985 .0082457

|

m2 | .0271128 .0026994 10.04 0.000 .0217397 .0324859

m3 | .0292808 .0031174 9.39 0.000 .0230757 .0354859

m4 | .0241837 .0028764 8.41 0.000 .0184585 .029909

m5 | .0203554 .0013417 15.17 0.000 .0176848 .0230259

m6 | .0189991 .0014383 13.21 0.000 .0161362 .021862

m7 | .0164127 .0014438 11.37 0.000 .013539 .0192865

m8 | .0207178 .0015903 13.03 0.000 .0175524 .0238833

m9 | .0209091 .001814 11.53 0.000 .0172984 .0245198

m10 | .0261925 .0017277 15.16 0.000 .0227536 .0296315

m11 | .029675 .0017197 17.26 0.000 .0262521 .0330979

m12 | .0211349 .0017423 12.13 0.000 .017667 .0246028

\_cons | -.0195354 .0014337 -13.63 0.000 -.022389 -.0166817

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 33.88

Model | .004463975 16 .000278998 Prob > F = 0.0000

Residual | .000650468 79 8.2338e-06 R-squared = 0.8728

-------------+---------------------------------- Adj R-squared = 0.8471

Total | .005114442 95 .000053836 Root MSE = .00287

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.017453 .1256479 -0.14 0.890 -.2675488 .2326429

L2D. | .2379887 .1217548 1.95 0.054 -.0043582 .4803357

L3D. | .176301 .1223996 1.44 0.154 -.0673294 .4199313

|

lnavg\_Week~a |

L2D. | -.0204792 .0194676 -1.05 0.296 -.0592285 .0182702

|

lnavg\_Week~r |

LD. | -.031697 .0344796 -0.92 0.361 -.1003269 .0369328

|

m2 | .0266428 .003113 8.56 0.000 .0204464 .0328391

m3 | .0308861 .0037079 8.33 0.000 .0235057 .0382665

m4 | .0249256 .0033368 7.47 0.000 .0182838 .0315673

m5 | .0204712 .001539 13.30 0.000 .0174079 .0235346

m6 | .0194407 .0016605 11.71 0.000 .0161355 .022746

m7 | .0168028 .0016832 9.98 0.000 .0134525 .0201531

m8 | .0208847 .0018763 11.13 0.000 .01715 .0246194

m9 | .0200133 .0020821 9.61 0.000 .015869 .0241576

m10 | .0269085 .0020515 13.12 0.000 .022825 .0309919

m11 | .0303915 .0020153 15.08 0.000 .0263802 .0344028

m12 | .0218755 .0020022 10.93 0.000 .0178902 .0258608

\_cons | -.0200705 .0017373 -11.55 0.000 -.0235285 -.0166124

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.20

Model | .004901311 16 .000306332 Prob > F = 0.0000

Residual | .00080136 79 .000010144 R-squared = 0.8595

-------------+---------------------------------- Adj R-squared = 0.8310

Total | .005702671 95 .000060028 Root MSE = .00318

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2357456 .1294056 -1.82 0.072 -.4933209 .0218298

L2D. | .2943333 .1345413 2.19 0.032 .0265356 .562131

L3D. | .0482685 .1433064 0.34 0.737 -.2369758 .3335128

|

lnavg\_Week~a |

L2D. | -.0287642 .0215023 -1.34 0.185 -.0715635 .014035

|

lnavg\_Week~r |

LD. | -.1006961 .0350227 -2.88 0.005 -.1704069 -.0309852

|

m2 | .0230917 .0033442 6.90 0.000 .0164352 .0297481

m3 | .0331568 .0040819 8.12 0.000 .025032 .0412816

m4 | .0227986 .003868 5.89 0.000 .0150995 .0304977

m5 | .0209296 .0017078 12.26 0.000 .0175303 .0243289

m6 | .0195487 .0018439 10.60 0.000 .0158784 .0232189

m7 | .0159642 .0018806 8.49 0.000 .0122211 .0197074

m8 | .0198681 .0020945 9.49 0.000 .0156992 .0240371

m9 | .0194467 .0023502 8.27 0.000 .0147688 .0241247

m10 | .0272956 .0022776 11.98 0.000 .0227621 .0318291

m11 | .0307411 .0022585 13.61 0.000 .0262457 .0352366

m12 | .0230016 .0022113 10.40 0.000 .0186 .0274031

\_cons | -.0188918 .0019834 -9.53 0.000 -.0228396 -.014944

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.26

Model | .004956383 16 .000309774 Prob > F = 0.0000

Residual | .000808834 79 .000010238 R-squared = 0.8597

-------------+---------------------------------- Adj R-squared = 0.8313

Total | .005765217 95 .000060686 Root MSE = .0032

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1734662 .1233976 -1.41 0.164 -.419083 .0721506

L2D. | .0915406 .1237047 0.74 0.461 -.1546875 .3377687

L3D. | .0491044 .1439752 0.34 0.734 -.2374711 .3356799

|

lnavg\_Week~a |

L2D. | -.0584306 .0230917 -2.53 0.013 -.1043936 -.0124677

|

lnavg\_Week~r |

LD. | -.081235 .0341198 -2.38 0.020 -.1491488 -.0133213

|

m2 | .0230392 .0033687 6.84 0.000 .016334 .0297443

m3 | .0268851 .0036746 7.32 0.000 .0195709 .0341992

m4 | .0221186 .0038855 5.69 0.000 .0143847 .0298525

m5 | .0200593 .0016997 11.80 0.000 .016676 .0234425

m6 | .0181655 .00182 9.98 0.000 .0145429 .0217881

m7 | .014577 .0018887 7.72 0.000 .0108177 .0183364

m8 | .0180222 .0021231 8.49 0.000 .0137962 .0222482

m9 | .017152 .0023118 7.42 0.000 .0125505 .0217535

m10 | .0258759 .0023108 11.20 0.000 .0212763 .0304755

m11 | .0303292 .0022483 13.49 0.000 .0258541 .0348043

m12 | .0218041 .0021546 10.12 0.000 .0175155 .0260926

\_cons | -.0168159 .0019876 -8.46 0.000 -.0207722 -.0128596

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.44

Model | .004963524 16 .00031022 Prob > F = 0.0000

Residual | .000805058 79 .000010191 R-squared = 0.8604

-------------+---------------------------------- Adj R-squared = 0.8322

Total | .005768582 95 .000060722 Root MSE = .00319

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1401755 .1210417 -1.16 0.250 -.3811029 .100752

L2D. | .13835 .1073709 1.29 0.201 -.0753665 .3520664

L3D. | .0329198 .1271317 0.26 0.796 -.2201294 .2859691

|

lnavg\_Week~a |

L2D. | -.0607359 .0232987 -2.61 0.011 -.1071108 -.0143611

|

lnavg\_Week~r |

LD. | -.0890291 .0349044 -2.55 0.013 -.1585045 -.0195537

|

m2 | .0241043 .0031189 7.73 0.000 .0178962 .0303123

m3 | .0278692 .0034304 8.12 0.000 .0210412 .0346973

m4 | .0216483 .0035256 6.14 0.000 .0146306 .0286659

m5 | .020199 .0016511 12.23 0.000 .0169125 .0234854

m6 | .0184167 .0017585 10.47 0.000 .0149166 .0219169

m7 | .0148432 .0018637 7.96 0.000 .0111335 .0185528

m8 | .0185319 .0020626 8.98 0.000 .0144265 .0226374

m9 | .0176518 .0022921 7.70 0.000 .0130895 .0222142

m10 | .0261577 .0023268 11.24 0.000 .0215263 .030789

m11 | .0305565 .0022421 13.63 0.000 .0260938 .0350192

m12 | .0214054 .0022024 9.72 0.000 .0170216 .0257892

\_cons | -.0172865 .0019963 -8.66 0.000 -.0212601 -.0133129

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 29.93

Model | .00482032 16 .00030127 Prob > F = 0.0000

Residual | .000795234 79 .000010066 R-squared = 0.8584

-------------+---------------------------------- Adj R-squared = 0.8297

Total | .005615554 95 .000059111 Root MSE = .00317

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.144074 .1199707 -1.20 0.233 -.3828698 .0947218

L2D. | .1113601 .1072581 1.04 0.302 -.1021318 .324852

L3D. | -.0120356 .104266 -0.12 0.908 -.219572 .1955007

|

lnavg\_Week~a |

L2D. | -.0602174 .0229516 -2.62 0.010 -.1059013 -.0145335

|

lnavg\_Week~r |

LD. | -.0897181 .0344162 -2.61 0.011 -.1582219 -.0212143

|

m2 | .0235959 .0031018 7.61 0.000 .017422 .0297698

m3 | .0265998 .0035512 7.49 0.000 .0195313 .0336683

m4 | .0201776 .003332 6.06 0.000 .0135455 .0268097

m5 | .0198242 .0016525 12.00 0.000 .016535 .0231135

m6 | .0178586 .001836 9.73 0.000 .0142041 .021513

m7 | .0141199 .0019807 7.13 0.000 .0101773 .0180624

m8 | .0177345 .0021928 8.09 0.000 .0133698 .0220992

m9 | .016679 .0024184 6.90 0.000 .0118654 .0214927

m10 | .0251236 .0024274 10.35 0.000 .020292 .0299552

m11 | .0296735 .002345 12.65 0.000 .025006 .0343411

m12 | .020698 .0022457 9.22 0.000 .0162281 .0251679

\_cons | -.0162776 .0021458 -7.59 0.000 -.0205486 -.0120065

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.38

Model | .004861424 16 .000303839 Prob > F = 0.0000

Residual | .000790209 79 .000010003 R-squared = 0.8602

-------------+---------------------------------- Adj R-squared = 0.8319

Total | .005651633 95 .000059491 Root MSE = .00316

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1259783 .1217605 -1.03 0.304 -.3683366 .1163799

L2D. | .1296231 .108948 1.19 0.238 -.0872325 .3464787

L3D. | -.0001025 .1048535 -0.00 0.999 -.2088081 .2086032

|

lnavg\_Week~a |

L2D. | -.0696824 .0261207 -2.67 0.009 -.1216742 -.0176905

|

lnavg\_Week~r |

LD. | -.0986189 .0362682 -2.72 0.008 -.1708088 -.0264289

|

m2 | .0239101 .0030688 7.79 0.000 .0178019 .0300183

m3 | .026977 .0035607 7.58 0.000 .0198895 .0340644

m4 | .020411 .0033306 6.13 0.000 .0137817 .0270404

m5 | .0198298 .001647 12.04 0.000 .0165514 .0231081

m6 | .0179456 .0018317 9.80 0.000 .0142997 .0215916

m7 | .0142528 .0019784 7.20 0.000 .0103149 .0181908

m8 | .0179928 .0022047 8.16 0.000 .0136044 .0223812

m9 | .0170215 .0024425 6.97 0.000 .0121597 .0218832

m10 | .0253629 .0024325 10.43 0.000 .020521 .0302048

m11 | .0298502 .0023444 12.73 0.000 .0251837 .0345166

m12 | .0207027 .0022384 9.25 0.000 .0162473 .0251581

\_cons | -.0166131 .0021727 -7.65 0.000 -.0209377 -.0122884

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.48

Model | .004848014 16 .000303001 Prob > F = 0.0000

Residual | .000785341 79 9.9410e-06 R-squared = 0.8606

-------------+---------------------------------- Adj R-squared = 0.8324

Total | .005633355 95 .000059298 Root MSE = .00315

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1316793 .1215162 -1.08 0.282 -.3735512 .1101926

L2D. | .1219491 .1090891 1.12 0.267 -.0951872 .3390854

L3D. | -.0033334 .1045632 -0.03 0.975 -.2114613 .2047944

|

lnavg\_Week~a |

L2D. | -.0742561 .026837 -2.77 0.007 -.1276739 -.0208384

|

lnavg\_Week~r |

LD. | -.1022805 .0364585 -2.81 0.006 -.1748494 -.0297116

|

m2 | .0237277 .0030671 7.74 0.000 .0176227 .0298327

m3 | .0271149 .0035218 7.70 0.000 .020105 .0341248

m4 | .0203066 .0033215 6.11 0.000 .0136954 .0269178

m5 | .019768 .0016443 12.02 0.000 .016495 .0230409

m6 | .0178489 .0018313 9.75 0.000 .0142038 .021494

m7 | .0141138 .0019823 7.12 0.000 .0101681 .0180594

m8 | .0178274 .0022103 8.07 0.000 .0134279 .0222268

m9 | .0168781 .0024435 6.91 0.000 .0120144 .0217418

m10 | .0251727 .0024402 10.32 0.000 .0203157 .0300298

m11 | .0297616 .0023406 12.72 0.000 .0251028 .0344203

m12 | .0207052 .0022299 9.29 0.000 .0162667 .0251438

\_cons | -.0164473 .0021788 -7.55 0.000 -.0207841 -.0121105

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.53

Model | .004843823 16 .000302739 Prob > F = 0.0000

Residual | .000783347 79 9.9158e-06 R-squared = 0.8608

-------------+---------------------------------- Adj R-squared = 0.8326

Total | .005627171 95 .000059233 Root MSE = .00315

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1301073 .121334 -1.07 0.287 -.3716166 .1114019

L2D. | .1286827 .1093713 1.18 0.243 -.0890154 .3463808

L3D. | .0048274 .1053097 0.05 0.964 -.2047864 .2144411

|

lnavg\_Week~a |

L2D. | -.0738778 .0266689 -2.77 0.007 -.1269611 -.0207946

|

lnavg\_Week~r |

LD. | -.103156 .0363578 -2.84 0.006 -.1755244 -.0307875

|

m2 | .0237948 .0030633 7.77 0.000 .0176974 .0298923

m3 | .0273472 .0035371 7.73 0.000 .0203067 .0343877

m4 | .0201363 .0032921 6.12 0.000 .0135836 .0266891

m5 | .0197995 .0016434 12.05 0.000 .0165283 .0230707

m6 | .017915 .0018325 9.78 0.000 .0142675 .0215626

m7 | .0142132 .0019876 7.15 0.000 .010257 .0181693

m8 | .017955 .002218 8.09 0.000 .0135401 .0223699

m9 | .0170309 .0024514 6.95 0.000 .0121516 .0219102

m10 | .0253256 .0024508 10.33 0.000 .0204475 .0302038

m11 | .0299014 .0023498 12.73 0.000 .0252242 .0345785

m12 | .0207823 .0022312 9.31 0.000 .0163411 .0252235

\_cons | -.0166104 .0021919 -7.58 0.000 -.0209733 -.0122476

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.54

Model | .004844136 16 .000302759 Prob > F = 0.0000

Residual | .000783207 79 9.9140e-06 R-squared = 0.8608

-------------+---------------------------------- Adj R-squared = 0.8326

Total | .005627343 95 .000059235 Root MSE = .00315

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1308699 .1207591 -1.08 0.282 -.3712347 .109495

L2D. | .1285739 .1090628 1.18 0.242 -.0885101 .3456579

L3D. | .0059129 .1056915 0.06 0.956 -.2044608 .2162866

|

lnavg\_Week~a |

L2D. | -.0742738 .026469 -2.81 0.006 -.126959 -.0215885

|

lnavg\_Week~r |

LD. | -.1034868 .0361346 -2.86 0.005 -.1754109 -.0315627

|

m2 | .0237761 .0030518 7.79 0.000 .0177016 .0298506

m3 | .0273542 .0035354 7.74 0.000 .0203172 .0343912

m4 | .0201668 .0033011 6.11 0.000 .0135961 .0267375

m5 | .0197455 .0016482 11.98 0.000 .0164648 .0230261

m6 | .0179143 .0018323 9.78 0.000 .0142672 .0215615

m7 | .014213 .0019873 7.15 0.000 .0102574 .0181685

m8 | .0179533 .0022157 8.10 0.000 .013543 .0223635

m9 | .0170366 .0024493 6.96 0.000 .0121613 .0219119

m10 | .025329 .0024504 10.34 0.000 .0204517 .0302063

m11 | .029913 .0023516 12.72 0.000 .0252322 .0345937

m12 | .0207993 .0022332 9.31 0.000 .0163543 .0252443

\_cons | -.0166151 .0021897 -7.59 0.000 -.0209735 -.0122566

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.56

Model | .004845139 16 .000302821 Prob > F = 0.0000

Residual | .000782908 79 9.9102e-06 R-squared = 0.8609

-------------+---------------------------------- Adj R-squared = 0.8327

Total | .005628047 95 .000059243 Root MSE = .00315

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1321944 .120953 -1.09 0.278 -.3729453 .1085565

L2D. | .1324538 .1086469 1.22 0.226 -.0838025 .34871

L3D. | .0086278 .105761 0.08 0.935 -.2018843 .2191399

|

lnavg\_Week~a |

L2D. | -.074769 .0263946 -2.83 0.006 -.1273062 -.0222318

|

lnavg\_Week~r |

LD. | -.1027488 .0362023 -2.84 0.006 -.1748077 -.0306899

|

m2 | .0237813 .0030479 7.80 0.000 .0177146 .0298481

m3 | .027482 .0035321 7.78 0.000 .0204515 .0345125

m4 | .0202509 .0033051 6.13 0.000 .0136722 .0268297

m5 | .0197633 .0016476 12.00 0.000 .0164838 .0230428

m6 | .0179873 .001878 9.58 0.000 .0142492 .0217255

m7 | .014259 .0019852 7.18 0.000 .0103076 .0182104

m8 | .0179974 .0022109 8.14 0.000 .0135966 .0223981

m9 | .0171119 .0024443 7.00 0.000 .0122467 .0219771

m10 | .0254008 .0024465 10.38 0.000 .0205312 .0302704

m11 | .0299826 .0023541 12.74 0.000 .0252968 .0346683

m12 | .0208463 .0022378 9.32 0.000 .0163921 .0253006

\_cons | -.0166819 .0021838 -7.64 0.000 -.0210288 -.0123351

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 30.95

Model | .004838621 16 .000302414 Prob > F = 0.0000

Residual | .00077184 79 9.7701e-06 R-squared = 0.8624

-------------+---------------------------------- Adj R-squared = 0.8346

Total | .005610461 95 .000059057 Root MSE = .00313

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1253505 .1195982 -1.05 0.298 -.3634046 .1127037

L2D. | .1264203 .1076144 1.17 0.244 -.0877809 .3406214

L3D. | .0113092 .1048245 0.11 0.914 -.1973387 .2199572

|

lnavg\_Week~a |

L2D. | -.0730226 .0262479 -2.78 0.007 -.1252679 -.0207774

|

lnavg\_Week~r |

LD. | -.1082491 .035868 -3.02 0.003 -.1796426 -.0368556

|

m2 | .0238328 .0030134 7.91 0.000 .0178348 .0298308

m3 | .0273135 .003503 7.80 0.000 .020341 .034286

m4 | .0202724 .003279 6.18 0.000 .0137457 .0267991

m5 | .0197274 .0016361 12.06 0.000 .0164708 .022984

m6 | .0179031 .0018658 9.60 0.000 .0141894 .0216169

m7 | .014715 .0019864 7.41 0.000 .0107612 .0186687

m8 | .0180029 .0021871 8.23 0.000 .0136497 .0223562

m9 | .0170374 .0024218 7.04 0.000 .0122169 .0218578

m10 | .0253308 .0024262 10.44 0.000 .0205016 .0301599

m11 | .0299232 .0023358 12.81 0.000 .0252738 .0345725

m12 | .0207912 .0022223 9.36 0.000 .0163678 .0252146

\_cons | -.0166563 .002159 -7.71 0.000 -.0209537 -.012359

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 31.38

Model | .004840093 16 .000302506 Prob > F = 0.0000

Residual | .000761521 79 9.6395e-06 R-squared = 0.8641

-------------+---------------------------------- Adj R-squared = 0.8365

Total | .005601614 95 .000058964 Root MSE = .0031

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.139748 .1191034 -1.17 0.244 -.3768175 .0973214

L2D. | .1152773 .1067173 1.08 0.283 -.0971382 .3276928

L3D. | -.0012503 .1040065 -0.01 0.990 -.2082701 .2057695

|

lnavg\_Week~a |

L2D. | -.0745819 .0260745 -2.86 0.005 -.1264818 -.022682

|

lnavg\_Week~r |

LD. | -.1101221 .0356652 -3.09 0.003 -.1811119 -.0391323

|

m2 | .0234721 .0029984 7.83 0.000 .0175038 .0294403

m3 | .0270098 .0034746 7.77 0.000 .0200938 .0339258

m4 | .0199748 .0032534 6.14 0.000 .013499 .0264505

m5 | .0196625 .0016254 12.10 0.000 .0164272 .0228978

m6 | .0177654 .0018528 9.59 0.000 .0140776 .0214532

m7 | .0145024 .0019743 7.35 0.000 .0105726 .0184321

m8 | .018715 .0021682 8.63 0.000 .0143994 .0230307

m9 | .0167595 .0024026 6.98 0.000 .0119773 .0215417

m10 | .0249981 .0024106 10.37 0.000 .0201999 .0297962

m11 | .0297844 .002318 12.85 0.000 .0251705 .0343983

m12 | .0207594 .0022065 9.41 0.000 .0163675 .0251513

\_cons | -.0163422 .0021439 -7.62 0.000 -.0206095 -.0120749

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 31.32

Model | .004794678 16 .000299667 Prob > F = 0.0000

Residual | .000755826 79 9.5674e-06 R-squared = 0.8638

-------------+---------------------------------- Adj R-squared = 0.8362

Total | .005550504 95 .000058426 Root MSE = .00309

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.156851 .1205686 -1.30 0.197 -.3968368 .0831348

L2D. | .1042873 .1071299 0.97 0.333 -.1089495 .317524

L3D. | -.0024982 .1034991 -0.02 0.981 -.208508 .2035116

|

lnavg\_Week~a |

L2D. | -.0729651 .0260546 -2.80 0.006 -.1248255 -.0211046

|

lnavg\_Week~r |

LD. | -.1035809 .0365051 -2.84 0.006 -.1762425 -.0309193

|

m2 | .023085 .0030282 7.62 0.000 .0170576 .0291125

m3 | .026801 .0034652 7.73 0.000 .0199038 .0336983

m4 | .0199979 .003237 6.18 0.000 .0135549 .026441

m5 | .0196398 .0016193 12.13 0.000 .0164166 .022863

m6 | .0177286 .0018451 9.61 0.000 .014056 .0214012

m7 | .0144058 .0019695 7.31 0.000 .0104855 .0183261

m8 | .0185241 .0021734 8.52 0.000 .0141982 .0228501

m9 | .017029 .0023835 7.14 0.000 .0122848 .0217733

m10 | .0249059 .0024021 10.37 0.000 .0201246 .0296871

m11 | .029738 .0023059 12.90 0.000 .0251483 .0343277

m12 | .0208799 .0022011 9.49 0.000 .0164988 .025261

\_cons | -.016166 .0021458 -7.53 0.000 -.0204371 -.011895

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 32.24

Model | .004849795 16 .000303112 Prob > F = 0.0000

Residual | .000742781 79 9.4023e-06 R-squared = 0.8672

-------------+---------------------------------- Adj R-squared = 0.8403

Total | .005592576 95 .000058869 Root MSE = .00307

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1706102 .1200666 -1.42 0.159 -.4095968 .0683763

L2D. | .0874327 .1071205 0.82 0.417 -.1257853 .3006507

L3D. | -.0167791 .1032019 -0.16 0.871 -.2221972 .1886391

|

lnavg\_Week~a |

L2D. | -.0715536 .0258566 -2.77 0.007 -.1230198 -.0200874

|

lnavg\_Week~r |

LD. | -.1058937 .0362076 -2.92 0.004 -.1779632 -.0338242

|

m2 | .0226887 .0030207 7.51 0.000 .0166762 .0287013

m3 | .0263441 .0034564 7.62 0.000 .0194643 .033224

m4 | .0196399 .0032215 6.10 0.000 .0132277 .026052

m5 | .0195594 .0016066 12.17 0.000 .0163614 .0227573

m6 | .0175377 .0018361 9.55 0.000 .0138829 .0211924

m7 | .0141608 .0019635 7.21 0.000 .0102526 .018069

m8 | .0182091 .002171 8.39 0.000 .0138879 .0225304

m9 | .0166623 .0023833 6.99 0.000 .0119186 .0214061

m10 | .0251789 .0023303 10.81 0.000 .0205406 .0298172

m11 | .0295335 .0022925 12.88 0.000 .0249704 .0340965

m12 | .0208084 .0021827 9.53 0.000 .0164638 .025153

\_cons | -.0157812 .002152 -7.33 0.000 -.0200647 -.0114977

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 33.34

Model | .004898252 16 .000306141 Prob > F = 0.0000

Residual | .000725392 79 9.1822e-06 R-squared = 0.8710

-------------+---------------------------------- Adj R-squared = 0.8449

Total | .005623644 95 .000059196 Root MSE = .00303

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2018911 .1207825 -1.67 0.099 -.4423027 .0385205

L2D. | .0581265 .1079732 0.54 0.592 -.1567887 .2730418

L3D. | -.0292167 .1022067 -0.29 0.776 -.2326541 .1742207

|

lnavg\_Week~a |

L2D. | -.0708929 .0249281 -2.84 0.006 -.1205111 -.0212747

|

lnavg\_Week~r |

LD. | -.0974587 .0359729 -2.71 0.008 -.1690609 -.0258565

|

m2 | .0219064 .0030384 7.21 0.000 .0158586 .0279541

m3 | .0256374 .0034538 7.42 0.000 .0187627 .032512

m4 | .0193961 .0031839 6.09 0.000 .0130588 .0257334

m5 | .0194557 .0015892 12.24 0.000 .0162926 .0226189

m6 | .0173392 .0018196 9.53 0.000 .0137173 .020961

m7 | .0138201 .0019544 7.07 0.000 .0099299 .0177103

m8 | .017695 .0021773 8.13 0.000 .0133611 .0220289

m9 | .0162162 .0023765 6.82 0.000 .0114858 .0209466

m10 | .0247725 .0023184 10.69 0.000 .0201578 .0293872

m11 | .0299315 .0022237 13.46 0.000 .0255053 .0343576

m12 | .020908 .0021568 9.69 0.000 .0166151 .025201

\_cons | -.0152352 .0021623 -7.05 0.000 -.019539 -.0109313

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 32.43

Model | .004895472 16 .000305967 Prob > F = 0.0000

Residual | .0007453 79 9.4342e-06 R-squared = 0.8679

-------------+---------------------------------- Adj R-squared = 0.8411

Total | .005640772 95 .000059377 Root MSE = .00307

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.200748 .1241411 -1.62 0.110 -.4478446 .0463487

L2D. | .0559813 .1119083 0.50 0.618 -.1667666 .2787291

L3D. | -.0349729 .105249 -0.33 0.741 -.2444658 .1745199

|

lnavg\_Week~a |

L2D. | -.0738726 .0257099 -2.87 0.005 -.1250469 -.0226983

|

lnavg\_Week~r |

LD. | -.0956802 .0366395 -2.61 0.011 -.1686094 -.0227511

|

m2 | .0219329 .0031278 7.01 0.000 .0157072 .0281586

m3 | .0255123 .0035536 7.18 0.000 .0184391 .0325855

m4 | .019245 .0032578 5.91 0.000 .0127605 .0257295

m5 | .01944 .0016126 12.05 0.000 .0162302 .0226499

m6 | .017318 .0018559 9.33 0.000 .013624 .0210121

m7 | .0137496 .0020023 6.87 0.000 .0097641 .0177352

m8 | .0176294 .0022468 7.85 0.000 .0131572 .0221015

m9 | .0161577 .002451 6.59 0.000 .0112792 .0210363

m10 | .0246978 .0023876 10.34 0.000 .0199455 .0294502

m11 | .0298476 .0022686 13.16 0.000 .0253321 .0343631

m12 | .0202973 .0021711 9.35 0.000 .0159757 .0246188

\_cons | -.0151511 .0022476 -6.74 0.000 -.0196249 -.0106772

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 31.23

Model | .004683815 16 .000292738 Prob > F = 0.0000

Residual | .000740634 79 9.3751e-06 R-squared = 0.8635

-------------+---------------------------------- Adj R-squared = 0.8358

Total | .005424449 95 .000057099 Root MSE = .00306

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2142277 .1218343 -1.76 0.083 -.4567328 .0282774

L2D. | .0339779 .1133896 0.30 0.765 -.1917186 .2596743

L3D. | -.0462657 .1059526 -0.44 0.664 -.2571591 .1646277

|

lnavg\_Week~a |

L2D. | -.0741514 .0254617 -2.91 0.005 -.1248316 -.0234711

|

lnavg\_Week~r |

LD. | -.0962244 .0365293 -2.63 0.010 -.1689341 -.0235147

|

m2 | .0210027 .0030604 6.86 0.000 .0149112 .0270943

m3 | .0244115 .0036672 6.66 0.000 .0171121 .0317109

m4 | .0184548 .0033403 5.52 0.000 .0118061 .0251036

m5 | .018832 .0016271 11.57 0.000 .0155934 .0220706

m6 | .0166017 .0019055 8.71 0.000 .0128089 .0203946

m7 | .012971 .0020463 6.34 0.000 .008898 .0170441

m8 | .0167701 .0022834 7.34 0.000 .0122251 .0213151

m9 | .0152596 .0025329 6.02 0.000 .0102179 .0203012

m10 | .0238214 .0024569 9.70 0.000 .0189311 .0287117

m11 | .0291119 .0023518 12.38 0.000 .0244308 .0337931

m12 | .0197715 .0022228 8.89 0.000 .015347 .0241959

\_cons | -.0142309 .0023226 -6.13 0.000 -.0188539 -.009608

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 32.37

Model | .004770151 16 .000298134 Prob > F = 0.0000

Residual | .000727663 79 9.2109e-06 R-squared = 0.8676

-------------+---------------------------------- Adj R-squared = 0.8408

Total | .005497815 95 .000057872 Root MSE = .00303

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2252331 .1210785 -1.86 0.067 -.4662339 .0157676

L2D. | .003853 .1121832 0.03 0.973 -.219442 .227148

L3D. | -.0791186 .1058124 -0.75 0.457 -.2897329 .1314956

|

lnavg\_Week~a |

L2D. | -.070895 .0253517 -2.80 0.006 -.1213564 -.0204337

|

lnavg\_Week~r |

LD. | -.092808 .0363201 -2.56 0.013 -.1651013 -.0205146

|

m2 | .021446 .0030001 7.15 0.000 .0154745 .0274174

m3 | .0234258 .0036141 6.48 0.000 .0162322 .0306195

m4 | .0175657 .0033178 5.29 0.000 .0109617 .0241698

m5 | .0186897 .0016114 11.60 0.000 .0154823 .0218971

m6 | .0162701 .0018853 8.63 0.000 .0125176 .0200227

m7 | .01251 .0020317 6.16 0.000 .0084659 .0165541

m8 | .0162058 .0022755 7.12 0.000 .0116765 .0207351

m9 | .0145864 .0025124 5.81 0.000 .0095857 .0195871

m10 | .0231714 .0024423 9.49 0.000 .0183101 .0280326

m11 | .0285799 .0023175 12.33 0.000 .0239671 .0331927

m12 | .0195014 .0021934 8.89 0.000 .0151357 .0238672

\_cons | -.0135142 .0023151 -5.84 0.000 -.0181223 -.0089061

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 32.78

Model | .004766039 16 .000297877 Prob > F = 0.0000

Residual | .000717871 79 9.0870e-06 R-squared = 0.8691

-------------+---------------------------------- Adj R-squared = 0.8426

Total | .005483911 95 .000057725 Root MSE = .00301

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2587732 .1198263 -2.16 0.034 -.4972814 -.0202649

L2D. | -.0206091 .1112797 -0.19 0.854 -.2421059 .2008876

L3D. | -.0728604 .1044431 -0.70 0.487 -.2807493 .1350284

|

lnavg\_Week~a |

L2D. | -.0791805 .0257444 -3.08 0.003 -.1304234 -.0279376

|

lnavg\_Week~r |

LD. | -.0978974 .0363868 -2.69 0.009 -.1703235 -.0254713

|

m2 | .0205916 .0029723 6.93 0.000 .0146755 .0265078

m3 | .0232036 .0035603 6.52 0.000 .016117 .0302902

m4 | .0178318 .0032742 5.45 0.000 .0113147 .0243488

m5 | .0185628 .0016018 11.59 0.000 .0153745 .0217512

m6 | .0160843 .0018763 8.57 0.000 .0123496 .019819

m7 | .0122508 .0020249 6.05 0.000 .0082203 .0162812

m8 | .0158297 .0022662 6.98 0.000 .0113189 .0203406

m9 | .014291 .0025028 5.71 0.000 .0093092 .0192728

m10 | .0228658 .0024371 9.38 0.000 .0180149 .0277167

m11 | .0286273 .0023005 12.44 0.000 .0240483 .0332063

m12 | .0198346 .0021634 9.17 0.000 .0155284 .0241407

\_cons | -.0131641 .0023092 -5.70 0.000 -.0177604 -.0085678

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 32.72

Model | .004756092 16 .000297256 Prob > F = 0.0000

Residual | .000717722 79 9.0851e-06 R-squared = 0.8689

-------------+---------------------------------- Adj R-squared = 0.8423

Total | .005473814 95 .000057619 Root MSE = .00301

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2428986 .1187318 -2.05 0.044 -.4792284 -.0065688

L2D. | -.0149025 .112351 -0.13 0.895 -.2385316 .2087265

L3D. | -.0754209 .10382 -0.73 0.470 -.2820694 .1312277

|

lnavg\_Week~a |

L2D. | -.0757916 .0257952 -2.94 0.004 -.1271356 -.0244476

|

lnavg\_Week~r |

LD. | -.1004229 .036109 -2.78 0.007 -.1722961 -.0285497

|

m2 | .020917 .0029754 7.03 0.000 .0149946 .0268395

m3 | .0232311 .0035647 6.52 0.000 .0161358 .0303264

m4 | .0172187 .0031428 5.48 0.000 .010963 .0234743

m5 | .0185774 .0016028 11.59 0.000 .0153872 .0217677

m6 | .0160854 .0018759 8.57 0.000 .0123515 .0198194

m7 | .0123122 .0020345 6.05 0.000 .0082626 .0163617

m8 | .0159476 .0022834 6.98 0.000 .0114026 .0204927

m9 | .0143205 .0025078 5.71 0.000 .0093289 .0193121

m10 | .0229078 .0024446 9.37 0.000 .0180421 .0277736

m11 | .0285589 .0022853 12.50 0.000 .0240102 .0331076

m12 | .0196559 .0021342 9.21 0.000 .0154079 .0239039

\_cons | -.01325 .0023261 -5.70 0.000 -.0178801 -.00862

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 32.53

Model | .004750305 16 .000296894 Prob > F = 0.0000

Residual | .000721014 79 9.1268e-06 R-squared = 0.8682

-------------+---------------------------------- Adj R-squared = 0.8415

Total | .005471319 95 .000057593 Root MSE = .00302

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2250426 .1192947 -1.89 0.063 -.4624928 .0124077

L2D. | -.0023764 .1118884 -0.02 0.983 -.2250847 .2203318

L3D. | -.091043 .1051205 -0.87 0.389 -.3002801 .1181941

|

lnavg\_Week~a |

L2D. | -.0767519 .0258391 -2.97 0.004 -.1281834 -.0253205

|

lnavg\_Week~r |

LD. | -.1002818 .0361917 -2.77 0.007 -.1723196 -.0282439

|

m2 | .0213782 .0029793 7.18 0.000 .0154482 .0273083

m3 | .0233218 .0035696 6.53 0.000 .0162166 .030427

m4 | .0167713 .0031786 5.28 0.000 .0104444 .0230981

m5 | .0185629 .0016171 11.48 0.000 .015344 .0217817

m6 | .0161299 .0018789 8.58 0.000 .01239 .0198697

m7 | .0123246 .0020394 6.04 0.000 .0082653 .016384

m8 | .0160469 .0022849 7.02 0.000 .011499 .0205948

m9 | .0143608 .0025127 5.72 0.000 .0093593 .0193622

m10 | .0228853 .0024528 9.33 0.000 .0180031 .0277676

m11 | .028447 .0022994 12.37 0.000 .0238701 .0330239

m12 | .0193671 .0021524 9.00 0.000 .0150828 .0236514

\_cons | -.0132889 .0023307 -5.70 0.000 -.017928 -.0086498

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 32.67

Model | .004759637 16 .000297477 Prob > F = 0.0000

Residual | .000719385 79 9.1061e-06 R-squared = 0.8687

-------------+---------------------------------- Adj R-squared = 0.8421

Total | .005479022 95 .000057674 Root MSE = .00302

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2121895 .1183692 -1.79 0.077 -.4477976 .0234186

L2D. | .0344896 .1117167 0.31 0.758 -.1878768 .2568561

L3D. | -.064969 .104266 -0.62 0.535 -.2725054 .1425673

|

lnavg\_Week~a |

L2D. | -.0809777 .026005 -3.11 0.003 -.1327393 -.0292161

|

lnavg\_Week~r |

LD. | -.1063297 .0362437 -2.93 0.004 -.178471 -.0341883

|

m2 | .0218724 .0029543 7.40 0.000 .015992 .0277528

m3 | .0244366 .0035745 6.84 0.000 .0173219 .0315514

m4 | .0174481 .0031652 5.51 0.000 .011148 .0237482

m5 | .0187185 .0016148 11.59 0.000 .0155042 .0219327

m6 | .0165174 .0019241 8.58 0.000 .0126877 .0203471

m7 | .0127824 .0020281 6.30 0.000 .0087455 .0168192

m8 | .0166392 .0022679 7.34 0.000 .012125 .0211534

m9 | .0150462 .0025013 6.02 0.000 .0100675 .0200249

m10 | .023493 .0024346 9.65 0.000 .018647 .028339

m11 | .0289982 .002304 12.59 0.000 .0244122 .0335841

m12 | .0195567 .0021529 9.08 0.000 .0152714 .023842

\_cons | -.0140114 .0023103 -6.06 0.000 -.01861 -.0094128

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 32.81

Model | .004770298 16 .000298144 Prob > F = 0.0000

Residual | .000717979 79 9.0883e-06 R-squared = 0.8692

-------------+---------------------------------- Adj R-squared = 0.8427

Total | .005488277 95 .000057771 Root MSE = .00301

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2125762 .1165198 -1.82 0.072 -.4445031 .0193507

L2D. | .0309682 .1105379 0.28 0.780 -.189052 .2509883

L3D. | -.0618408 .1040668 -0.59 0.554 -.2689807 .145299

|

lnavg\_Week~a |

L2D. | -.0813571 .0258848 -3.14 0.002 -.1328795 -.0298347

|

lnavg\_Week~r |

LD. | -.1087405 .0363319 -2.99 0.004 -.1810575 -.0364236

|

m2 | .0218173 .0029142 7.49 0.000 .0160167 .0276178

m3 | .0243755 .0035499 6.87 0.000 .0173096 .0314413

m4 | .0175228 .0031624 5.54 0.000 .0112282 .0238175

m5 | .0186881 .0016137 11.58 0.000 .0154761 .0219001

m6 | .0164815 .0019187 8.59 0.000 .0126624 .0203007

m7 | .0129034 .002046 6.31 0.000 .008831 .0169759

m8 | .0166208 .002243 7.41 0.000 .0121561 .0210855

m9 | .0150097 .0024836 6.04 0.000 .0100661 .0199532

m10 | .0234701 .0024187 9.70 0.000 .0186558 .0282845

m11 | .0289944 .0022972 12.62 0.000 .0244219 .0335668

m12 | .0195784 .0021503 9.10 0.000 .0152983 .0238585

\_cons | -.0139939 .002282 -6.13 0.000 -.0185362 -.0094517

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 33.99

Model | .004787992 16 .000299249 Prob > F = 0.0000

Residual | .000695437 79 8.8030e-06 R-squared = 0.8732

-------------+---------------------------------- Adj R-squared = 0.8475

Total | .005483429 95 .00005772 Root MSE = .00297

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2136641 .1146752 -1.86 0.066 -.4419194 .0145911

L2D. | .0110771 .1078216 0.10 0.918 -.2035363 .2256906

L3D. | -.0895801 .1021867 -0.88 0.383 -.2929775 .1138174

|

lnavg\_Week~a |

L2D. | -.0902398 .0260729 -3.46 0.001 -.1421366 -.0383429

|

lnavg\_Week~r |

LD. | -.1144392 .0357081 -3.20 0.002 -.1855144 -.043364

|

m2 | .0216436 .0028663 7.55 0.000 .0159384 .0273489

m3 | .023658 .0034626 6.83 0.000 .0167659 .0305502

m4 | .0168151 .0031013 5.42 0.000 .0106421 .022988

m5 | .0185604 .0015861 11.70 0.000 .0154034 .0217174

m6 | .016184 .0018784 8.62 0.000 .0124453 .0199228

m7 | .0124887 .002009 6.22 0.000 .00849 .0164875

m8 | .0169833 .0022136 7.67 0.000 .0125772 .0213893

m9 | .0144891 .0024254 5.97 0.000 .0096615 .0193168

m10 | .0228829 .0023689 9.66 0.000 .0181678 .027598

m11 | .0285908 .0022471 12.72 0.000 .024118 .0330636

m12 | .0192986 .0021107 9.14 0.000 .0150974 .0234998

\_cons | -.0134408 .0022317 -6.02 0.000 -.0178829 -.0089988

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 34.07

Model | .004828419 16 .000301776 Prob > F = 0.0000

Residual | .000699727 79 8.8573e-06 R-squared = 0.8734

-------------+---------------------------------- Adj R-squared = 0.8478

Total | .005528146 95 .000058191 Root MSE = .00298

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.2136449 .1150954 -1.86 0.067 -.4427366 .0154469

L2D. | .0176891 .1081808 0.16 0.871 -.1976393 .2330176

L3D. | -.064623 .102151 -0.63 0.529 -.2679494 .1387034

|

lnavg\_Week~a |

L2D. | -.0882365 .0260984 -3.38 0.001 -.140184 -.0362889

|

lnavg\_Week~r |

LD. | -.1124847 .0357897 -3.14 0.002 -.1837224 -.041247

|

m2 | .0216755 .0028773 7.53 0.000 .0159484 .0274026

m3 | .0240141 .0034694 6.92 0.000 .0171085 .0309197

m4 | .0174609 .0030996 5.63 0.000 .0112913 .0236305

m5 | .018601 .001591 11.69 0.000 .0154342 .0217678

m6 | .0163443 .0018835 8.68 0.000 .0125952 .0200933

m7 | .0127408 .0020148 6.32 0.000 .0087304 .0167512

m8 | .0172155 .0022227 7.75 0.000 .0127914 .0216396

m9 | .0138219 .0024351 5.68 0.000 .008975 .0186688

m10 | .0232612 .0023752 9.79 0.000 .0185334 .0279889

m11 | .0288521 .0022491 12.83 0.000 .0243754 .0333287

m12 | .0195544 .0021101 9.27 0.000 .0153542 .0237545

\_cons | -.0137865 .0022393 -6.16 0.000 -.0182437 -.0093294

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 38.71

Model | .004957786 16 .000309862 Prob > F = 0.0000

Residual | .000632298 79 8.0038e-06 R-squared = 0.8869

-------------+---------------------------------- Adj R-squared = 0.8640

Total | .005590084 95 .000058843 Root MSE = .00283

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1712383 .1090639 -1.57 0.120 -.3883247 .045848

L2D. | .0050474 .1029185 0.05 0.961 -.1998068 .2099015

L3D. | -.0670072 .0971038 -0.69 0.492 -.2602876 .1262731

|

lnavg\_Week~a |

L2D. | -.0838816 .0248401 -3.38 0.001 -.1333246 -.0344386

|

lnavg\_Week~r |

LD. | -.1151557 .0336656 -3.42 0.001 -.1821654 -.0481461

|

m2 | .0223269 .0027306 8.18 0.000 .0168918 .027762

m3 | .0233484 .0033023 7.07 0.000 .0167753 .0299214

m4 | .0172059 .0029463 5.84 0.000 .0113414 .0230705

m5 | .0185353 .0015123 12.26 0.000 .0155251 .0215454

m6 | .0161611 .0017905 9.03 0.000 .0125972 .019725

m7 | .0127091 .0019153 6.64 0.000 .0088968 .0165215

m8 | .0172485 .0021123 8.17 0.000 .013044 .0214529

m9 | .0136051 .0023152 5.88 0.000 .0089969 .0182133

m10 | .0243044 .0022522 10.79 0.000 .0198215 .0287872

m11 | .0283828 .0021401 13.26 0.000 .024123 .0326425

m12 | .0191173 .0020039 9.54 0.000 .0151286 .023106

\_cons | -.0137405 .0021287 -6.45 0.000 -.0179775 -.0095034

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 37.98

Model | .004928214 16 .000308013 Prob > F = 0.0000

Residual | .000640742 79 8.1107e-06 R-squared = 0.8849

-------------+---------------------------------- Adj R-squared = 0.8616

Total | .005568956 95 .000058621 Root MSE = .00285

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1918696 .1204761 -1.59 0.115 -.4316712 .0479321

L2D. | .0171648 .1031125 0.17 0.868 -.1880755 .2224052

L3D. | -.0702942 .0977668 -0.72 0.474 -.2648942 .1243058

|

lnavg\_Week~a |

L2D. | -.0827036 .0249797 -3.31 0.001 -.1324245 -.0329827

|

lnavg\_Week~r |

LD. | -.1064486 .0355931 -2.99 0.004 -.1772948 -.0356024

|

m2 | .0221049 .0028682 7.71 0.000 .0163959 .0278139

m3 | .0237762 .0033346 7.13 0.000 .0171389 .0304134

m4 | .0172226 .0029689 5.80 0.000 .0113133 .023132

m5 | .0186355 .0015217 12.25 0.000 .0156065 .0216644

m6 | .0163315 .0018036 9.05 0.000 .0127414 .0199215

m7 | .0127551 .0019284 6.61 0.000 .0089167 .0165936

m8 | .0172706 .0021337 8.09 0.000 .0130235 .0215177

m9 | .0137974 .0023278 5.93 0.000 .009164 .0184309

m10 | .0243845 .0022662 10.76 0.000 .0198737 .0288954

m11 | .0283906 .0022668 12.52 0.000 .0238787 .0329025

m12 | .0193098 .0020675 9.34 0.000 .0151945 .0234251

\_cons | -.013812 .0021435 -6.44 0.000 -.0180786 -.0095454

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 37.29

Model | .00492135 16 .000307584 Prob > F = 0.0000

Residual | .000651691 79 8.2492e-06 R-squared = 0.8831

-------------+---------------------------------- Adj R-squared = 0.8594

Total | .00557304 95 .000058664 Root MSE = .00287

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1827835 .1212492 -1.51 0.136 -.424124 .058557

L2D. | .0312283 .110004 0.28 0.777 -.1877292 .2501857

L3D. | -.0567808 .0979014 -0.58 0.564 -.2516487 .138087

|

lnavg\_Week~a |

L2D. | -.081483 .0254618 -3.20 0.002 -.1321635 -.0308025

|

lnavg\_Week~r |

LD. | -.1044907 .0361876 -2.89 0.005 -.1765202 -.0324611

|

m2 | .0223854 .0029078 7.70 0.000 .0165976 .0281732

m3 | .0241822 .0034894 6.93 0.000 .0172369 .0311276

m4 | .0175533 .0029807 5.89 0.000 .0116203 .0234863

m5 | .0187172 .0015481 12.09 0.000 .0156357 .0217987

m6 | .0165115 .0018517 8.92 0.000 .0128257 .0201972

m7 | .0129901 .0019542 6.65 0.000 .0091003 .0168799

m8 | .0175464 .0021766 8.06 0.000 .013214 .0218789

m9 | .0141155 .0023922 5.90 0.000 .0093538 .0188771

m10 | .0247212 .0022958 10.77 0.000 .0201516 .0292908

m11 | .0285824 .0023251 12.29 0.000 .0239544 .0332105

m12 | .018869 .0020914 9.02 0.000 .0147063 .0230318

\_cons | -.0141532 .0021883 -6.47 0.000 -.018509 -.0097974

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 36.90

Model | .004848498 16 .000303031 Prob > F = 0.0000

Residual | .000648691 79 8.2113e-06 R-squared = 0.8820

-------------+---------------------------------- Adj R-squared = 0.8581

Total | .00549719 95 .000057865 Root MSE = .00287

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1848735 .1205232 -1.53 0.129 -.424769 .0550219

L2D. | .0189167 .1097686 0.17 0.864 -.1995722 .2374057

L3D. | -.0841857 .1035654 -0.81 0.419 -.2903275 .1219561

|

lnavg\_Week~a |

L2D. | -.0830677 .0254978 -3.26 0.002 -.1338198 -.0323155

|

lnavg\_Week~r |

LD. | -.1061798 .0362061 -2.93 0.004 -.1782463 -.0341134

|

m2 | .0218029 .0028523 7.64 0.000 .0161255 .0274803

m3 | .0232014 .0035597 6.52 0.000 .016116 .0302867

m4 | .0163767 .0032222 5.08 0.000 .0099631 .0227903

m5 | .0181819 .0015558 11.69 0.000 .0150852 .0212787

m6 | .0158265 .0018994 8.33 0.000 .0120458 .0196071

m7 | .0122058 .0020288 6.02 0.000 .0081676 .0162441

m8 | .0167627 .0022203 7.55 0.000 .0123432 .0211821

m9 | .0132322 .0024818 5.33 0.000 .0082922 .0181721

m10 | .0237947 .0024111 9.87 0.000 .0189956 .0285939

m11 | .0277842 .0024187 11.49 0.000 .0229699 .0325985

m12 | .0181157 .0022183 8.17 0.000 .0137003 .0225311

\_cons | -.0132428 .0022871 -5.79 0.000 -.0177952 -.0086904

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 36.31

Model | .004823583 16 .000301474 Prob > F = 0.0000

Residual | .000655971 79 8.3034e-06 R-squared = 0.8803

-------------+---------------------------------- Adj R-squared = 0.8560

Total | .005479554 95 .00005768 Root MSE = .00288

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1966274 .120898 -1.63 0.108 -.4372688 .044014

L2D. | .0296429 .1101249 0.27 0.788 -.1895552 .2488411

L3D. | -.0738875 .1037233 -0.71 0.478 -.2803436 .1325686

|

lnavg\_Week~a |

L2D. | -.0838577 .0256799 -3.27 0.002 -.1349722 -.0327432

|

lnavg\_Week~r |

LD. | -.1031115 .036308 -2.84 0.006 -.1753808 -.0308422

|

m2 | .0215342 .0028557 7.54 0.000 .01585 .0272184

m3 | .0236585 .0035628 6.64 0.000 .0165669 .0307502

m4 | .0167212 .0032261 5.18 0.000 .0102998 .0231426

m5 | .0182614 .0015632 11.68 0.000 .0151499 .0213729

m6 | .0160073 .0019046 8.40 0.000 .0122162 .0197984

m7 | .0123618 .0020357 6.07 0.000 .0083099 .0164137

m8 | .0169089 .0022295 7.58 0.000 .0124713 .0213465

m9 | .0135038 .002486 5.43 0.000 .0085556 .018452

m10 | .0240109 .0024172 9.93 0.000 .0191996 .0288221

m11 | .0281067 .0024193 11.62 0.000 .0232914 .0329221

m12 | .0183511 .0022219 8.26 0.000 .0139286 .0227736

\_cons | -.0134623 .0022924 -5.87 0.000 -.0180253 -.0088994

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 27.16

Model | .004687479 16 .000292967 Prob > F = 0.0000

Residual | .000852104 79 .000010786 R-squared = 0.8462

-------------+---------------------------------- Adj R-squared = 0.8150

Total | .005539584 95 .000058311 Root MSE = .00328

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | -.1027852 .1360518 -0.76 0.452 -.3735894 .1680191

L2D. | .0096928 .1254633 0.08 0.939 -.2400357 .2594214

L3D. | -.0541381 .1181279 -0.46 0.648 -.2892657 .1809895

|

lnavg\_Week~a |

L2D. | -.0647963 .0289267 -2.24 0.028 -.1223734 -.0072193

|

lnavg\_Week~r |

LD. | -.1153501 .0414758 -2.78 0.007 -.1979057 -.0327945

|

m2 | .022939 .0032397 7.08 0.000 .0164906 .0293875

m3 | .020428 .0040185 5.08 0.000 .0124294 .0284266

m4 | .0167803 .0036769 4.56 0.000 .0094616 .024099

m5 | .0181447 .0017818 10.18 0.000 .014598 .0216913

m6 | .0157175 .0021705 7.24 0.000 .0113973 .0200377

m7 | .0126119 .0023197 5.44 0.000 .0079947 .0172291

m8 | .0172192 .0025406 6.78 0.000 .0121623 .0222761

m9 | .0133129 .002834 4.70 0.000 .0076719 .0189538

m10 | .0243456 .0027551 8.84 0.000 .0188616 .0298296

m11 | .0271995 .0027491 9.89 0.000 .0217275 .0326716

m12 | .0177495 .0025284 7.02 0.000 .0127168 .0227822

\_cons | -.013729 .0026128 -5.25 0.000 -.0189296 -.0085284

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 3.47

Model | .015591368 16 .000974461 Prob > F = 0.0001

Residual | .022187348 79 .000280853 R-squared = 0.4127

-------------+---------------------------------- Adj R-squared = 0.2938

Total | .037778717 95 .000397671 Root MSE = .01676

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | 2.635478 .6265607 4.21 0.000 1.388341 3.882616

L2D. | 1.320261 .6223371 2.12 0.037 .0815303 2.558992

L3D. | -.1658846 .6028681 -0.28 0.784 -1.365863 1.034094

|

lnavg\_Week~a |

L2D. | -.3231218 .1468816 -2.20 0.031 -.6154824 -.0307612

|

lnavg\_Week~r |

LD. | -.4830345 .2086824 -2.31 0.023 -.8984064 -.0676626

|

m2 | .0811882 .0152101 5.34 0.000 .0509132 .1114632

m3 | .0345262 .0204534 1.69 0.095 -.0061852 .0752376

m4 | -.0104755 .0185588 -0.56 0.574 -.0474158 .0264648

m5 | .0219281 .0090832 2.41 0.018 .0038484 .0400078

m6 | .0214255 .0110591 1.94 0.056 -.0005871 .043438

m7 | .0235375 .011771 2.00 0.049 .0001079 .0469671

m8 | .0405934 .0126875 3.20 0.002 .0153396 .0658473

m9 | .0257085 .0143938 1.79 0.078 -.0029417 .0543588

m10 | .0384271 .0139666 2.75 0.007 .0106272 .066227

m11 | .0177759 .0140168 1.27 0.208 -.0101239 .0456757

m12 | -.0089334 .0125843 -0.71 0.480 -.0339818 .0161149

\_cons | -.033385 .0131403 -2.54 0.013 -.0595401 -.0072299

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.60

Model | .013796405 16 .000862275 Prob > F = 0.0026

Residual | .026155231 79 .000331079 R-squared = 0.3453

-------------+---------------------------------- Adj R-squared = 0.2127

Total | .039951636 95 .000420544 Root MSE = .0182

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .311774 .1209996 2.58 0.012 .0709303 .5526178

L2D. | .8229271 .6642806 1.24 0.219 -.4992904 2.145145

L3D. | -.2369798 .654314 -0.36 0.718 -1.539359 1.0654

|

lnavg\_Week~a |

L2D. | -.3776268 .1586969 -2.38 0.020 -.693505 -.0617485

|

lnavg\_Week~r |

LD. | -.151738 .2060042 -0.74 0.464 -.5617792 .2583032

|

m2 | .0375197 .0106594 3.52 0.001 .0163027 .0587367

m3 | .0360005 .0223057 1.61 0.111 -.0083979 .080399

m4 | -.0073395 .0201297 -0.36 0.716 -.0474066 .0327277

m5 | .0230593 .0102758 2.24 0.028 .0026059 .0435128

m6 | .0216477 .0120312 1.80 0.076 -.0022999 .0455953

m7 | .0159052 .012596 1.26 0.210 -.0091665 .0409769

m8 | .0259172 .0131158 1.98 0.052 -.0001891 .0520234

m9 | .0217828 .0156182 1.39 0.167 -.0093044 .0528701

m10 | .028837 .0149171 1.93 0.057 -.0008548 .0585289

m11 | .0318062 .0147212 2.16 0.034 .0025044 .0611079

m12 | .0114941 .0123283 0.93 0.354 -.0130448 .036033

\_cons | -.0212832 .0138472 -1.54 0.128 -.0488454 .006279

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.56

Model | .014018959 16 .000876185 Prob > F = 0.0032

Residual | .027077219 79 .00034275 R-squared = 0.3411

-------------+---------------------------------- Adj R-squared = 0.2077

Total | .041096177 95 .000432591 Root MSE = .01851

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .387154 .1144086 3.38 0.001 .1594295 .6148785

L2D. | -.2739283 .1262979 -2.17 0.033 -.525318 -.0225387

L3D. | -.6446897 .6283481 -1.03 0.308 -1.895385 .6060059

|

lnavg\_Week~a |

L2D. | -.3214596 .1578759 -2.04 0.045 -.6357038 -.0072154

|

lnavg\_Week~r |

LD. | -.1750006 .209653 -0.83 0.406 -.5923045 .2423032

|

m2 | .0289788 .0095263 3.04 0.003 .0100172 .0479404

m3 | .0029924 .0110017 0.27 0.786 -.018906 .0248908

m4 | -.020364 .0191327 -1.06 0.290 -.0584466 .0177186

m5 | .0164233 .0096528 1.70 0.093 -.0027901 .0356367

m6 | .0098123 .0105344 0.93 0.354 -.011156 .0307805

m7 | .004198 .0107727 0.39 0.698 -.0172445 .0256405

m8 | .0118874 .0103745 1.15 0.255 -.0087625 .0325372

m9 | .0031071 .0112824 0.28 0.784 -.01935 .0255643

m10 | .0143822 .0125233 1.15 0.254 -.0105448 .0393093

m11 | .014369 .0107407 1.34 0.185 -.0070097 .0357477

m12 | .0059073 .0121567 0.49 0.628 -.0182901 .0301047

\_cons | -.0040974 .0096762 -0.42 0.673 -.0233575 .0151626

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.59

Model | .014348362 16 .000896773 Prob > F = 0.0028

Residual | .027393007 79 .000346747 R-squared = 0.3437

-------------+---------------------------------- Adj R-squared = 0.2108

Total | .041741369 95 .000439383 Root MSE = .01862

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3684331 .113492 3.25 0.002 .1425329 .5943333

L2D. | -.3016574 .123984 -2.43 0.017 -.5484413 -.0548735

L3D. | -.0348283 .1195899 -0.29 0.772 -.272866 .2032095

|

lnavg\_Week~a |

L2D. | -.3136924 .1587867 -1.98 0.052 -.6297495 .0023646

|

lnavg\_Week~r |

LD. | -.16294 .2105389 -0.77 0.441 -.5820072 .2561272

|

m2 | .0284988 .0095692 2.98 0.004 .0094517 .0475459

m3 | .0077697 .0099282 0.78 0.436 -.0119919 .0275313

m4 | -.0041107 .0098776 -0.42 0.678 -.0237716 .0155503

m5 | .016728 .0097037 1.72 0.089 -.0025868 .0360428

m6 | .0132465 .0100005 1.32 0.189 -.0066591 .033152

m7 | .0095459 .0099708 0.96 0.341 -.0103005 .0293923

m8 | .0163282 .0094044 1.74 0.086 -.0023908 .0350472

m9 | .0090151 .009623 0.94 0.352 -.0101389 .0281691

m10 | .0222269 .0097368 2.28 0.025 .0028463 .0416076

m11 | .0194005 .0095098 2.04 0.045 .0004717 .0383294

m12 | .0135263 .0094546 1.43 0.156 -.0052926 .0323452

\_cons | -.0108792 .0068522 -1.59 0.116 -.0245182 .0027598

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.61

Model | .014473536 16 .000904596 Prob > F = 0.0026

Residual | .027385508 79 .000346652 R-squared = 0.3458

-------------+---------------------------------- Adj R-squared = 0.2133

Total | .041859044 95 .000440622 Root MSE = .01862

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3679449 .1135247 3.24 0.002 .1419797 .5939102

L2D. | -.2992493 .1209136 -2.47 0.015 -.5399217 -.0585768

L3D. | -.0380084 .1135551 -0.33 0.739 -.2640342 .1880174

|

lnavg\_Week~a |

L2D. | -.3146085 .1582076 -1.99 0.050 -.6295129 .0002958

|

lnavg\_Week~r |

LD. | -.1593654 .2109279 -0.76 0.452 -.5792069 .260476

|

m2 | .0285349 .009562 2.98 0.004 .0095023 .0475676

m3 | .0077845 .0099234 0.78 0.435 -.0119676 .0275366

m4 | -.0041702 .0098432 -0.42 0.673 -.0237625 .0154222

m5 | .0167524 .0097004 1.73 0.088 -.0025556 .0360605

m6 | .0133129 .009977 1.33 0.186 -.0065458 .0331716

m7 | .0094846 .0099351 0.95 0.343 -.0102907 .0292599

m8 | .0169007 .0094475 1.79 0.077 -.0019041 .0357054

m9 | .0090417 .0096224 0.94 0.350 -.0101111 .0281945

m10 | .0222378 .0097348 2.28 0.025 .0028611 .0416144

m11 | .0194076 .0095086 2.04 0.045 .0004812 .0383341

m12 | .0135 .0094425 1.43 0.157 -.0052948 .0322948

\_cons | -.010878 .0068505 -1.59 0.116 -.0245135 .0027575

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.59

Model | .01440508 16 .000900317 Prob > F = 0.0028

Residual | .027454963 79 .000347531 R-squared = 0.3441

-------------+---------------------------------- Adj R-squared = 0.2113

Total | .041860042 95 .000440632 Root MSE = .01864

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3681651 .1136692 3.24 0.002 .1419122 .594418

L2D. | -.2910575 .1203307 -2.42 0.018 -.5305698 -.0515451

L3D. | -.0311054 .1128829 -0.28 0.784 -.2557931 .1935823

|

lnavg\_Week~a |

L2D. | -.3129027 .1584095 -1.98 0.052 -.628209 .0024036

|

lnavg\_Week~r |

LD. | -.1387337 .2112456 -0.66 0.513 -.5592077 .2817402

|

m2 | .0287427 .0095712 3.00 0.004 .0096916 .0477938

m3 | .0079538 .0099295 0.80 0.426 -.0118104 .0277181

m4 | -.0039165 .0098481 -0.40 0.692 -.0235187 .0156858

m5 | .0169778 .0097079 1.75 0.084 -.0023454 .0363009

m6 | .0136941 .0099733 1.37 0.174 -.0061573 .0335455

m7 | .0098568 .0099242 0.99 0.324 -.0098967 .0296104

m8 | .0171045 .0094534 1.81 0.074 -.001712 .0359209

m9 | .0098977 .0094796 1.04 0.300 -.0089709 .0287662

m10 | .0226156 .0097331 2.32 0.023 .0032423 .0419888

m11 | .0195682 .0095167 2.06 0.043 .0006257 .0385106

m12 | .0136343 .0094519 1.44 0.153 -.0051793 .0324479

\_cons | -.011125 .0068468 -1.62 0.108 -.0247533 .0025034

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.58

Model | .01435526 16 .000897204 Prob > F = 0.0029

Residual | .027489671 79 .000347971 R-squared = 0.3431

-------------+---------------------------------- Adj R-squared = 0.2100

Total | .041844931 95 .000440473 Root MSE = .01865

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3698811 .1136628 3.25 0.002 .1436408 .5961213

L2D. | -.2905556 .1203963 -2.41 0.018 -.5301985 -.0509128

L3D. | -.0251882 .1118477 -0.23 0.822 -.2478154 .197439

|

lnavg\_Week~a |

L2D. | -.304938 .1566336 -1.95 0.055 -.6167094 .0068335

|

lnavg\_Week~r |

LD. | -.1341765 .212499 -0.63 0.530 -.5571451 .2887921

|

m2 | .0288008 .0095781 3.01 0.004 .009736 .0478656

m3 | .0080207 .0099337 0.81 0.422 -.0117518 .0277933

m4 | -.003818 .0098539 -0.39 0.699 -.0234318 .0157957

m5 | .0170869 .0097125 1.76 0.082 -.0022454 .0364192

m6 | .0137548 .0099792 1.38 0.172 -.0061083 .033618

m7 | .0100813 .0099122 1.02 0.312 -.0096485 .029811

m8 | .0172097 .0094561 1.82 0.073 -.0016121 .0360315

m9 | .0099665 .0094847 1.05 0.297 -.0089122 .0288453

m10 | .0243676 .0097417 2.50 0.014 .0049772 .043758

m11 | .0196106 .0095219 2.06 0.043 .0006576 .0385635

m12 | .0137088 .0094564 1.45 0.151 -.0051136 .0325312

\_cons | -.0112389 .0068455 -1.64 0.105 -.0248645 .0023866

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.55

Model | .014210186 16 .000888137 Prob > F = 0.0032

Residual | .027524481 79 .000348411 R-squared = 0.3405

-------------+---------------------------------- Adj R-squared = 0.2069

Total | .041734668 95 .000439312 Root MSE = .01867

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3687746 .1137137 3.24 0.002 .1424331 .5951161

L2D. | -.2899653 .120462 -2.41 0.018 -.5297389 -.0501916

L3D. | -.0272594 .1117897 -0.24 0.808 -.2497712 .1952524

|

lnavg\_Week~a |

L2D. | -.3001656 .1560125 -1.92 0.058 -.6107006 .0103694

|

lnavg\_Week~r |

LD. | -.1235928 .2129827 -0.58 0.563 -.5475242 .3003386

|

m2 | .0288504 .0095845 3.01 0.004 .0097729 .0479278

m3 | .0079903 .0099426 0.80 0.424 -.0118 .0277806

m4 | -.0038764 .0098585 -0.39 0.695 -.0234994 .0157465

m5 | .0171553 .0097178 1.77 0.081 -.0021876 .0364982

m6 | .0137802 .0099855 1.38 0.171 -.0060954 .0336558

m7 | .0100656 .0099186 1.01 0.313 -.0096768 .029808

m8 | .0172184 .0094621 1.82 0.073 -.0016154 .0360522

m9 | .0100149 .0094902 1.06 0.295 -.008875 .0289048

m10 | .0244757 .0097504 2.51 0.014 .005068 .0438833

m11 | .0174986 .0095746 1.83 0.071 -.0015591 .0365563

m12 | .0137234 .0094625 1.45 0.151 -.0051111 .032558

\_cons | -.0112647 .0068495 -1.64 0.104 -.0248983 .0023688

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.56

Model | .0142618 16 .000891363 Prob > F = 0.0031

Residual | .027475444 79 .00034779 R-squared = 0.3417

-------------+---------------------------------- Adj R-squared = 0.2084

Total | .041737245 95 .000439339 Root MSE = .01865

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3699812 .1136016 3.26 0.002 .1438629 .5960996

L2D. | -.291915 .1204529 -2.42 0.018 -.5316705 -.0521596

L3D. | -.0260112 .1117367 -0.23 0.817 -.2484175 .196395

|

lnavg\_Week~a |

L2D. | -.3089566 .1574907 -1.96 0.053 -.6224339 .0045207

|

lnavg\_Week~r |

LD. | -.1261928 .2127515 -0.59 0.555 -.549664 .2972785

|

m2 | .0288452 .009576 3.01 0.003 .0097848 .0479057

m3 | .007911 .0099358 0.80 0.428 -.0118657 .0276877

m4 | -.0037756 .0098534 -0.38 0.703 -.0233883 .0158371

m5 | .0171218 .0097096 1.76 0.082 -.0022047 .0364482

m6 | .0137501 .0099767 1.38 0.172 -.0061081 .0336084

m7 | .0100367 .0099095 1.01 0.314 -.0096877 .0297611

m8 | .0172098 .0094536 1.82 0.072 -.001607 .0360267

m9 | .0099765 .0094821 1.05 0.296 -.008897 .0288501

m10 | .0244596 .0097413 2.51 0.014 .0050701 .0438491

m11 | .0174301 .0095674 1.82 0.072 -.0016134 .0364736

m12 | .0146382 .0094425 1.55 0.125 -.0041567 .033433

\_cons | -.0112297 .0068437 -1.64 0.105 -.0248518 .0023924

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(16, 79) = 2.56

Model | .014276508 16 .000892282 Prob > F = 0.0031

Residual | .027484176 79 .000347901 R-squared = 0.3419

-------------+---------------------------------- Adj R-squared = 0.2086

Total | .041760683 95 .000439586 Root MSE = .01865

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .3703744 .1136433 3.26 0.002 .1441731 .5965756

L2D. | -.2920567 .1206169 -2.42 0.018 -.5321386 -.0519748

L3D. | -.0258937 .1117683 -0.23 0.817 -.2483629 .1965755

|

lnavg\_Week~a |

L2D. | -.3115726 .1584648 -1.97 0.053 -.6269889 .0038437

|

lnavg\_Week~r |

LD. | -.1271883 .2129621 -0.60 0.552 -.5510788 .2967022

|

m2 | .0292634 .0095647 3.06 0.003 .0102252 .0483015

m3 | .0083145 .0099025 0.84 0.404 -.0113959 .0280248

m4 | -.003336 .0098778 -0.34 0.736 -.0229974 .0163253

m5 | .0175304 .0096937 1.81 0.074 -.0017644 .0368251

m6 | .014169 .009943 1.43 0.158 -.0056221 .0339601

m7 | .0104424 .0098939 1.06 0.294 -.0092508 .0301356

m8 | .0176223 .0094474 1.87 0.066 -.0011822 .0364269

m9 | .0103833 .0094652 1.10 0.276 -.0084566 .0292232

m10 | .0248694 .0097268 2.56 0.012 .0055087 .0442301

m11 | .0178299 .0095457 1.87 0.065 -.0011703 .0368301

m12 | .0150561 .0094484 1.59 0.115 -.0037504 .0338626

\_cons | -.0116375 .0068183 -1.71 0.092 -.025209 .0019341

------------------------------------------------------------------------------

(1 real change made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

.

. gen res=d.lnemp1000-pred

(304 missing values generated)

.

. gen errsq=res^2

(304 missing values generated)

.

. summ errsq

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

errsq | 71 .003911 .0231299 4.21e-09 .1884714

.

. scalar RWrmse96=r(mean)^.5

.

. summ nobs

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

nobs | 71 96 0 96 96

.

. scalar RWminobs96=r(min)

.

. scalar RWmaxobs96=r(max)

.

.

.

. scalar list

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .06253767

.

.

.

. \*Forecast from selected model for dlnemp1000

.

.

.

. reg d.lnemp1000 l(1,2,3,6,12,24)d.lnemp1000 l(1,2,3)d.lnavg\_WeekDolla m2 m3 m

> 4 m5 m6 m7 m8 m9 m10 m11 m12 if tin(2017m1,2021m2)

Source | SS df MS Number of obs = 50

-------------+---------------------------------- F(20, 29) = 1.45

Model | .019663013 20 .000983151 Prob > F = 0.1746

Residual | .019596079 29 .000675727 R-squared = 0.5009

-------------+---------------------------------- Adj R-squared = 0.1566

Total | .039259092 49 .000801206 Root MSE = .02599

------------------------------------------------------------------------------

D.lnemp1000 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnemp1000 |

LD. | .4459355 .1797933 2.48 0.019 .0782169 .813654

L2D. | -.3370997 .1821163 -1.85 0.074 -.7095695 .03537

L3D. | -.0050609 .1807682 -0.03 0.978 -.3747734 .3646517

L6D. | -.0366874 .1663269 -0.22 0.827 -.3768641 .3034893

L12D. | .2680303 1.260662 0.21 0.833 -2.310312 2.846373

L24D. | 1.183418 1.175877 1.01 0.323 -1.221521 3.588356

|

lnavg\_Week~a |

LD. | .2558217 .3356501 0.76 0.452 -.4306599 .9423033

L2D. | -.2915053 .333143 -0.88 0.389 -.9728592 .3898486

L3D. | .5214174 .3245053 1.61 0.119 -.1422706 1.185105

|

m2 | .0045991 .0529427 0.09 0.931 -.1036809 .1128791

m3 | -.0202474 .0440064 -0.46 0.649 -.1102505 .0697558

m4 | -.0442486 .0401704 -1.10 0.280 -.1264064 .0379092

m5 | -.0059608 .0407579 -0.15 0.885 -.0893201 .0773985

m6 | .0016741 .03756 0.04 0.965 -.0751447 .078493

m7 | -.0125861 .0351578 -0.36 0.723 -.0844919 .0593197

m8 | .0038361 .0397761 0.10 0.924 -.0775151 .0851874

m9 | -.0028343 .0311276 -0.09 0.928 -.0664973 .0608287

m10 | -.0034589 .0621359 -0.06 0.956 -.130541 .1236233

m11 | -.0224717 .0547133 -0.41 0.684 -.134373 .0894296

m12 | .0054867 .0386276 0.14 0.888 -.0735157 .0844891

\_cons | .0005123 .0322833 0.02 0.987 -.0655145 .0665392

------------------------------------------------------------------------------

.

. predict temp if date==tm(2021m3)

(option xb assumed; fitted values)

(374 missing values generated)

.

. replace pred=temp if date==tm(2021m3)

(1 real change made)

.

. \*Empirical forecast and interval for dlnemp1000

.

. gen expres=exp(res)

(304 missing values generated)

.

. summ expres

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

expres | 71 1.007144 .0740928 .8345599 1.543624

.

. gen epy=exp(l.lnemp1000+pred)\*r(mean)

(303 missing values generated)

.

. \_pctile res, percentiles(2.5,97.5)

.

.

.

. gen eub=epy\*exp(r(r2))

(303 missing values generated)

.

. gen elb=epy\*exp(r(r1))

(303 missing values generated)

.

. twoway (scatter total\_priv\_emp1000 date if tin(2017m1,2021m2) , m(Oh) ) (tsli

> ne epy eub elb if tin(2017m1,2021m3) , lpattern(solid dash dash) lcolor(black

> gs10 gs10) ) , saving(ps5\_fcst, replace) scheme(s1mono) ylabel(,grid) xtitle

> ("") legend(label(1 "Private Employment") label(2 "Forecast") label(3 "95% Up

> per Bound") label(4 "95% Lower Bound") ) title("Florida Private Employment"

> "One Month Ahead Emprical Forecast")

(file ps5\_fcst.gph saved)

.

.

.

. graph export ps5empfcst.emf, replace

(file C:\Users\Jing Jing\Desktop\Orlando Time Series Project\ps5empfcst.emf wri

> tten in Enhanced Metafile format)

.

.

.

. list epy eub elb if date==tm(2021m3)

+--------------------------------+

| epy eub elb |

|--------------------------------|

375. | 1047.894 1287.049 936.7554 |

+--------------------------------+

.

.

.

.

.

.

.

. \*Normal forecast and interval for dlnemp1000

.

. \* 2 sigma interval

.

. gen npy=exp(l.lnemp1000+pred+(RWrmse96^2)/2)

(303 missing values generated)

.

. gen nub=npy\*exp(2\*RWrmse96)

(303 missing values generated)

.

. gen nlb=npy/exp(2\*RWrmse96)

(303 missing values generated)

.

.

.

.

.

.

.

.

.

. twoway (scatter total\_priv\_emp1000 date if tin(2017m1,2021m2) , m(Oh) ) (tsli

> ne npy nub nlb if tin(2017m1,2021m3) , lpattern(solid dash dash) lcolor(black

> gs10 gs10) ) , saving(ps5\_fcst, replace) scheme(s1mono) ylabel(,grid) xtitle

> ("") legend(label(1 "private Employment") label(2 "Forecast") label(3 "95% Up

> per Bound") label(4 "95% Lower Bound") ) title("Florida Private Employment" "

> One Month Ahead Normal Forecast") note("1) All forecasts are out of sample ba

> sed on a 96 month rolling window." "2) Inteval based on percentiles +-1.95 RM

> MSE from the rolling window procedure." "3) Predictors are lags 3, 4, 12, 24

> of private employment and lag 4 of the US emp:pop ratio." )

(file ps5\_fcst.gph saved)

.

.

.

. graph export ps5normfcst.emf, replace

(file C:\Users\Jing Jing\Desktop\Orlando Time Series Project\ps5normfcst.emf wr

> itten in Enhanced Metafile format)

.

.

.

. list npy nub nlb if date==tm(2021m3)

+--------------------------------+

| npy nub nlb |

|--------------------------------|

375. | 1042.497 1181.393 919.9315 |

+--------------------------------+

.

.

.

.

.

. hist res, frac normal scheme(s1mono) title("Private Employment Empirical For

> ecast Error Distribution") xtitle("") note("Private Employment for March For

> 96 month rolling window forecasts.")

(bin=8, start=-.18085083, width=.07687297)

.

. graph export ps5errdist.emf , replace

(file C:\Users\Jing Jing\Desktop\Orlando Time Series Project\ps5errdist.emf wri

> tten in Enhanced Metafile format)

.

.

.

. summ res

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

res | 71 .0049691 .0627836 -.1808508 .434133

.

. gen nres=(res-r(mean))/r(sd)

(304 missing values generated)

.

.

.

. qnorm nres, scheme(s1mono) title("Private Employment Quantile-Normal Plot of

> Forecast Error") xtitle("Inverse Standard Normal of Residual Percentile") yt

> itle("Residual Z-Score") xlabel(-6(2)4,grid) ylabel(-6(2)4,grid) note("Privat

> e Employment for March For 96 month rolling window forecasts.")

.

. graph export ps5qnorm.emf , replace

(file C:\Users\Jing Jing\Desktop\Orlando Time Series Project\ps5qnorm.emf writt

> en in Enhanced Metafile format)

.

.

.

.

.

. \*check the information

.

. \_pctile res, percentiles(2.5,97.5)

.

. return list

scalars:

r(r1) = -.1121157556772232

r(r2) = .2055689990520477

.

. summarize date

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

date | 375 547 108.3974 360 734

.

. summarize date if res>=.2055689990520477

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

date | 306 513.1242 89.76591 360 734

.

. summarize date if res==.2055689990520477

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

date | 0

.

. summarize date if res==-.1121157556772232

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

date | 1 726 . 726 726

.

. tsline res if tin(2019m6, 2021m1)

.

. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

> \*\*

.

. \*\*\*\* BEST SELECTION: GSREG Rank 13 for dlnavg\_WeekDolla: RWrmse120 = .008623

> 17 since it is the 2nd smallest RWMSE and has more variables

.

.

.

.

.

. \*Rolling window program for GSREG Rank 2 for dlnavg\_WeekDolla

.

. scalar drop \_all

.

.

.

. gen pred=.

variable pred already defined

r(110);

.

. gen nobs=.

variable nobs already defined

r(110);

.

. forvalues t=663/733 {

2.

. gen wstart=`t'-96

3.

. gen wend=`t'-1

4.

. reg d.lnavg\_WeekDolla ld.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour

> m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if date>=wstart & date<=wend

5.

. replace nobs=e(N) if date==`t'

6.

. predict ptemp

7.

. replace pred=ptemp if date==`t'

8.

. drop ptemp wstart wend

9.

. }

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.66

Model | .011000201 14 .000785729 Prob > F = 0.0031

Residual | .023956865 81 .000295764 R-squared = 0.3147

-------------+---------------------------------- Adj R-squared = 0.1962

Total | .034957066 95 .000367969 Root MSE = .0172

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3569649 .1050677 -3.40 0.001 -.5660167 -.1479131

|

lnemp1000 |

L2D. | .2147173 .4458025 0.48 0.631 -.6722899 1.101725

|

lnavg\_Week~r |

L2D. | -.1673825 .1722509 -0.97 0.334 -.5101077 .1753427

|

m2 | .0142568 .0097896 1.46 0.149 -.0052215 .0337351

m3 | .0243085 .0149003 1.63 0.107 -.0053384 .0539555

m4 | .0072797 .0087677 0.83 0.409 -.0101653 .0247248

m5 | .0130612 .0090542 1.44 0.153 -.0049538 .0310763

m6 | .0194787 .0096173 2.03 0.046 .0003433 .0386141

m7 | .0228282 .0092861 2.46 0.016 .0043518 .0413047

m8 | .0190693 .0096583 1.97 0.052 -.0001477 .0382862

m9 | .0204963 .010539 1.94 0.055 -.0004731 .0414656

m10 | .0236555 .0094726 2.50 0.015 .004808 .0425029

m11 | .0281844 .009712 2.90 0.005 .0088607 .0475082

m12 | .0359463 .008839 4.07 0.000 .0183595 .0535331

\_cons | -.0171869 .0073693 -2.33 0.022 -.0318496 -.0025243

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.69

Model | .011075972 14 .000791141 Prob > F = 0.0028

Residual | .023842582 81 .000294353 R-squared = 0.3172

-------------+---------------------------------- Adj R-squared = 0.1992

Total | .034918554 95 .000367564 Root MSE = .01716

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3637593 .1052812 -3.46 0.001 -.5732359 -.1542827

|

lnemp1000 |

L2D. | .2044149 .4428814 0.46 0.646 -.6767802 1.08561

|

lnavg\_Week~r |

L2D. | -.1633351 .1717074 -0.95 0.344 -.504979 .1783088

|

m2 | .0139198 .0097711 1.42 0.158 -.0055217 .0333613

m3 | .0239636 .0148179 1.62 0.110 -.0055193 .0534465

m4 | .0078066 .0087146 0.90 0.373 -.0095328 .025146

m5 | .0128441 .0090367 1.42 0.159 -.0051362 .0308244

m6 | .0192769 .0095871 2.01 0.048 .0002016 .0383521

m7 | .0226825 .0092567 2.45 0.016 .0042645 .0411004

m8 | .0188862 .00963 1.96 0.053 -.0002744 .0380468

m9 | .0202343 .0105019 1.93 0.058 -.0006612 .0411298

m10 | .0234755 .0094437 2.49 0.015 .0046855 .0422655

m11 | .0280128 .0096799 2.89 0.005 .0087528 .0472728

m12 | .0358388 .0088178 4.06 0.000 .0182942 .0533834

\_cons | -.016981 .0073449 -2.31 0.023 -.031595 -.002367

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.79

Model | .01129204 14 .000806574 Prob > F = 0.0020

Residual | .023458519 81 .000289611 R-squared = 0.3249

-------------+---------------------------------- Adj R-squared = 0.2083

Total | .034750558 95 .000365795 Root MSE = .01702

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3739324 .1047045 -3.57 0.001 -.5822615 -.1656034

|

lnemp1000 |

L2D. | .2125915 .4392807 0.48 0.630 -.6614393 1.086622

|

lnavg\_Week~r |

L2D. | -.212146 .1755135 -1.21 0.230 -.5613628 .1370708

|

m2 | .0137696 .0096924 1.42 0.159 -.0055152 .0330544

m3 | .0238563 .0146973 1.62 0.108 -.0053868 .0530994

m4 | .0078682 .0086442 0.91 0.365 -.0093309 .0250674

m5 | .0151254 .0089858 1.68 0.096 -.0027535 .0330043

m6 | .019135 .0095103 2.01 0.048 .0002124 .0380576

m7 | .0223433 .0091866 2.43 0.017 .0040649 .0406217

m8 | .0190531 .0095531 1.99 0.049 .0000454 .0380608

m9 | .0202559 .0104169 1.94 0.055 -.0004705 .0409824

m10 | .0233855 .0093677 2.50 0.015 .0047468 .0420242

m11 | .0279614 .0096017 2.91 0.005 .008857 .0470657

m12 | .0359916 .0087475 4.11 0.000 .0185869 .0533963

\_cons | -.0169386 .0072856 -2.32 0.023 -.0314345 -.0024426

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.74

Model | .011203348 14 .000800239 Prob > F = 0.0023

Residual | .023627634 81 .000291699 R-squared = 0.3216

-------------+---------------------------------- Adj R-squared = 0.2044

Total | .034830982 95 .000366642 Root MSE = .01708

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3704757 .1052536 -3.52 0.001 -.5798975 -.161054

|

lnemp1000 |

L2D. | .1463271 .4324032 0.34 0.736 -.7140195 1.006674

|

lnavg\_Week~r |

L2D. | -.1997186 .1754413 -1.14 0.258 -.5487918 .1493547

|

m2 | .0133924 .0097167 1.38 0.172 -.0059407 .0327255

m3 | .0221244 .0145771 1.52 0.133 -.0068793 .0511282

m4 | .0078017 .0086755 0.90 0.371 -.0094598 .0250632

m5 | .0149377 .0090165 1.66 0.101 -.0030022 .0328777

m6 | .0165279 .0093304 1.77 0.080 -.0020367 .0350924

m7 | .0219709 .0092067 2.39 0.019 .0036525 .0402893

m8 | .0183995 .0095491 1.93 0.058 -.0006002 .0373991

m9 | .019399 .0103938 1.87 0.066 -.0012814 .0400794

m10 | .0228611 .0093761 2.44 0.017 .0042055 .0415166

m11 | .0273329 .009601 2.85 0.006 .0082299 .0464359

m12 | .0356932 .0087702 4.07 0.000 .0182433 .0531432

\_cons | -.0163875 .0072759 -2.25 0.027 -.0308642 -.0019108

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.75

Model | .011186664 14 .000799047 Prob > F = 0.0023

Residual | .023552252 81 .000290769 R-squared = 0.3220

-------------+---------------------------------- Adj R-squared = 0.2048

Total | .034738916 95 .000365673 Root MSE = .01705

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3719279 .1047706 -3.55 0.001 -.5803885 -.1634672

|

lnemp1000 |

L2D. | .1500606 .4275898 0.35 0.727 -.700709 1.00083

|

lnavg\_Week~r |

L2D. | -.1836794 .1778734 -1.03 0.305 -.5375918 .1702329

|

m2 | .0133092 .0097022 1.37 0.174 -.0059951 .0326136

m3 | .0222811 .0144711 1.54 0.128 -.0065119 .0510741

m4 | .007722 .0086627 0.89 0.375 -.009514 .0249579

m5 | .0148088 .0090053 1.64 0.104 -.0031089 .0327265

m6 | .0165837 .009308 1.78 0.079 -.0019362 .0351037

m7 | .0211356 .0090986 2.32 0.023 .0030321 .039239

m8 | .0183587 .0095226 1.93 0.057 -.0005882 .0373056

m9 | .0193968 .0103567 1.87 0.065 -.0012098 .0400033

m10 | .0228815 .0093523 2.45 0.017 .0042733 .0414897

m11 | .0273657 .0095716 2.86 0.005 .0083211 .0464102

m12 | .0356351 .0087554 4.07 0.000 .0182146 .0530556

\_cons | -.0163817 .0072536 -2.26 0.027 -.0308141 -.0019494

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.71

Model | .011002869 14 .000785919 Prob > F = 0.0026

Residual | .02351182 81 .000290269 R-squared = 0.3188

-------------+---------------------------------- Adj R-squared = 0.2010

Total | .034514689 95 .000363313 Root MSE = .01704

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3659906 .1049714 -3.49 0.001 -.5748507 -.1571304

|

lnemp1000 |

L2D. | .1586086 .4257495 0.37 0.710 -.6884993 1.005717

|

lnavg\_Week~r |

L2D. | -.1848341 .1772423 -1.04 0.300 -.5374907 .1678225

|

m2 | .0135923 .009686 1.40 0.164 -.0056798 .0328644

m3 | .0225805 .0144256 1.57 0.121 -.0061219 .0512828

m4 | .0078163 .0086542 0.90 0.369 -.009403 .0250355

m5 | .0149898 .0089934 1.67 0.099 -.0029042 .0328839

m6 | .0167373 .009295 1.80 0.075 -.0017568 .0352314

m7 | .0212824 .0090877 2.34 0.022 .0032008 .0393641

m8 | .0211521 .0093634 2.26 0.027 .0025218 .0397824

m9 | .0196154 .0103311 1.90 0.061 -.0009403 .0401711

m10 | .023036 .0093373 2.47 0.016 .0044577 .0416143

m11 | .0275125 .009555 2.88 0.005 .008501 .0465239

m12 | .0357178 .0087446 4.08 0.000 .0183188 .0531167

\_cons | -.0165553 .0072362 -2.29 0.025 -.0309529 -.0021576

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.97

Model | .011216213 14 .000801158 Prob > F = 0.0011

Residual | .021860433 81 .000269882 R-squared = 0.3391

-------------+---------------------------------- Adj R-squared = 0.2249

Total | .033076646 95 .000348175 Root MSE = .01643

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3504642 .1012826 -3.46 0.001 -.5519847 -.1489437

|

lnemp1000 |

L2D. | .1876374 .4096615 0.46 0.648 -.6274606 1.002735

|

lnavg\_Week~r |

L2D. | -.2531218 .1712262 -1.48 0.143 -.5938082 .0875645

|

m2 | .014605 .0093437 1.56 0.122 -.003986 .0331959

m3 | .0232601 .0138783 1.68 0.098 -.0043534 .0508736

m4 | .0083275 .0083473 1.00 0.321 -.0082811 .0249361

m5 | .0159041 .0086796 1.83 0.071 -.0013655 .0331737

m6 | .0170075 .0089548 1.90 0.061 -.0008099 .0348248

m7 | .021523 .0087564 2.46 0.016 .0041005 .0389454

m8 | .021694 .0090272 2.40 0.019 .0037327 .0396554

m9 | .0138588 .009767 1.42 0.160 -.0055745 .0332922

m10 | .0234672 .0089989 2.61 0.011 .0055622 .0413721

m11 | .0279241 .0092077 3.03 0.003 .0096037 .0462444

m12 | .0362184 .0084341 4.29 0.000 .0194371 .0529997

\_cons | -.0171333 .006974 -2.46 0.016 -.0310095 -.0032572

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.82

Model | .010761824 14 .000768702 Prob > F = 0.0018

Residual | .022099621 81 .000272835 R-squared = 0.3275

-------------+---------------------------------- Adj R-squared = 0.2113

Total | .032861445 95 .00034591 Root MSE = .01652

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3302129 .1055205 -3.13 0.002 -.5401657 -.1202602

|

lnemp1000 |

L2D. | .1604931 .4118208 0.39 0.698 -.6589012 .9798874

|

lnavg\_Week~r |

L2D. | -.2539798 .1723751 -1.47 0.145 -.5969523 .0889926

|

m2 | .0151673 .0094367 1.61 0.112 -.0036087 .0339433

m3 | .0227428 .0139469 1.63 0.107 -.0050071 .0504927

m4 | .0085819 .008399 1.02 0.310 -.0081294 .0252932

m5 | .0163369 .0087461 1.87 0.065 -.001065 .0337389

m6 | .0170729 .0090085 1.90 0.062 -.0008511 .0349969

m7 | .0216582 .0088116 2.46 0.016 .0041258 .0391906

m8 | .0216632 .009077 2.39 0.019 .0036029 .0397236

m9 | .0137913 .0098207 1.40 0.164 -.0057489 .0333314

m10 | .022253 .0091331 2.44 0.017 .0040809 .0404251

m11 | .0278562 .009258 3.01 0.003 .0094356 .0462767

m12 | .0362551 .0084807 4.28 0.000 .0193812 .053129

\_cons | -.017217 .0070182 -2.45 0.016 -.0311812 -.0032529

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.86

Model | .010800181 14 .000771442 Prob > F = 0.0015

Residual | .021832669 81 .000269539 R-squared = 0.3310

-------------+---------------------------------- Adj R-squared = 0.2153

Total | .03263285 95 .000343504 Root MSE = .01642

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3225874 .1051602 -3.07 0.003 -.5318232 -.1133516

|

lnemp1000 |

L2D. | .2233459 .4070196 0.55 0.585 -.5864955 1.033187

|

lnavg\_Week~r |

L2D. | -.2970729 .169785 -1.75 0.084 -.6348917 .0407459

|

m2 | .0160365 .0093947 1.71 0.092 -.002656 .0347291

m3 | .0243741 .0138301 1.76 0.082 -.0031434 .0518917

m4 | .0089183 .0083508 1.07 0.289 -.0076971 .0255337

m5 | .0169899 .0087016 1.95 0.054 -.0003236 .0343033

m6 | .0175815 .0089551 1.96 0.053 -.0002363 .0353992

m7 | .0220721 .0087606 2.52 0.014 .0046412 .039503

m8 | .0223829 .0090181 2.48 0.015 .0044397 .040326

m9 | .01476 .009754 1.51 0.134 -.0046474 .0341673

m10 | .0229384 .0090819 2.53 0.013 .0048684 .0410085

m11 | .0278047 .0091028 3.05 0.003 .009693 .0459164

m12 | .0367398 .0084281 4.36 0.000 .0199705 .0535091

\_cons | -.0179464 .006976 -2.57 0.012 -.0318265 -.0040663

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.82

Model | .010554731 14 .000753909 Prob > F = 0.0018

Residual | .021686004 81 .000267728 R-squared = 0.3274

-------------+---------------------------------- Adj R-squared = 0.2111

Total | .032240736 95 .000339376 Root MSE = .01636

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3759768 .1055399 -3.56 0.001 -.5859681 -.1659855

|

lnemp1000 |

L2D. | .1768227 .4025775 0.44 0.662 -.6241803 .9778256

|

lnavg\_Week~r |

L2D. | -.2932596 .1691901 -1.73 0.087 -.6298947 .0433756

|

m2 | .0137253 .0093348 1.47 0.145 -.004848 .0322986

m3 | .0224897 .01369 1.64 0.104 -.0047491 .0497285

m4 | .0081261 .008322 0.98 0.332 -.0084321 .0246843

m5 | .0154932 .0086656 1.79 0.078 -.0017486 .0327351

m6 | .0164335 .008902 1.85 0.069 -.0012788 .0341457

m7 | .0209344 .0087136 2.40 0.019 .003597 .0382717

m8 | .0213999 .0089649 2.39 0.019 .0035624 .0392373

m9 | .0134267 .0096803 1.39 0.169 -.0058341 .0326874

m10 | .0214228 .0090225 2.37 0.020 .0034709 .0393747

m11 | .0268827 .0090495 2.97 0.004 .008877 .0448885

m12 | .0307077 .008341 3.68 0.000 .0141117 .0473037

\_cons | -.0166647 .0069164 -2.41 0.018 -.0304262 -.0029032

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.40

Model | .008926845 14 .000637632 Prob > F = 0.0073

Residual | .021489207 81 .000265299 R-squared = 0.2935

-------------+---------------------------------- Adj R-squared = 0.1714

Total | .030416051 95 .000320169 Root MSE = .01629

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3764476 .1038426 -3.63 0.001 -.5830618 -.1698335

|

lnemp1000 |

L2D. | .2119197 .399652 0.53 0.597 -.5832624 1.007102

|

lnavg\_Week~r |

L2D. | -.2695207 .1689555 -1.60 0.115 -.6056892 .0666478

|

m2 | .0107119 .0091099 1.18 0.243 -.0074139 .0288377

m3 | .0203975 .013647 1.49 0.139 -.0067558 .0475509

m4 | .0049015 .0082156 0.60 0.552 -.011445 .0212479

m5 | .0122723 .0084922 1.45 0.152 -.0046245 .0291691

m6 | .0136273 .008819 1.55 0.126 -.0039198 .0311743

m7 | .0180703 .0086156 2.10 0.039 .000928 .0352126

m8 | .0185106 .0089133 2.08 0.041 .000776 .0362452

m9 | .0106768 .0096216 1.11 0.270 -.0084671 .0298207

m10 | .0185531 .0089031 2.08 0.040 .0008387 .0362675

m11 | .0241227 .0090022 2.68 0.009 .0062112 .0420341

m12 | .0275703 .0082896 3.33 0.001 .0110766 .044064

\_cons | -.01379 .0068261 -2.02 0.047 -.0273717 -.0002083

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.36

Model | .008747743 14 .000624839 Prob > F = 0.0084

Residual | .02142637 81 .000264523 R-squared = 0.2899

-------------+---------------------------------- Adj R-squared = 0.1672

Total | .030174114 95 .000317622 Root MSE = .01626

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3714271 .1041781 -3.57 0.001 -.5787087 -.1641454

|

lnemp1000 |

L2D. | .2024578 .3977936 0.51 0.612 -.5890266 .9939422

|

lnavg\_Week~r |

L2D. | -.2754879 .1690219 -1.63 0.107 -.6117885 .0608127

|

m2 | .0090408 .008881 1.02 0.312 -.0086295 .0267112

m3 | .020142 .0135993 1.48 0.142 -.0069164 .0472004

m4 | .004958 .008204 0.60 0.547 -.0113653 .0212813

m5 | .0123821 .0084805 1.46 0.148 -.0044914 .0292556

m6 | .0135777 .0088011 1.54 0.127 -.0039338 .0310891

m7 | .0180424 .0085994 2.10 0.039 .0009323 .0351525

m8 | .0184617 .0088935 2.08 0.041 .0007664 .036157

m9 | .0106065 .0095952 1.11 0.272 -.0084849 .029698

m10 | .0185516 .0088832 2.09 0.040 .0008769 .0362264

m11 | .0240342 .008984 2.68 0.009 .0061589 .0419095

m12 | .0275732 .0082759 3.33 0.001 .0111067 .0440398

\_cons | -.0137653 .0068064 -2.02 0.046 -.0273078 -.0002227

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.73

Model | .009323067 14 .000665933 Prob > F = 0.0024

Residual | .019741953 81 .000243728 R-squared = 0.3208

-------------+---------------------------------- Adj R-squared = 0.2034

Total | .02906502 95 .000305948 Root MSE = .01561

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3979776 .1004462 -3.96 0.000 -.5978341 -.198121

|

lnemp1000 |

L2D. | .2260765 .3818204 0.59 0.555 -.5336263 .9857793

|

lnavg\_Week~r |

L2D. | -.307078 .1621914 -1.89 0.062 -.6297881 .015632

|

m2 | .008507 .0085271 1.00 0.321 -.0084592 .0254732

m3 | .0149986 .0129858 1.16 0.251 -.010839 .0408362

m4 | .0048796 .0078746 0.62 0.537 -.0107884 .0205477

m5 | .0121283 .00814 1.49 0.140 -.0040677 .0283242

m6 | .0134363 .0084478 1.59 0.116 -.0033722 .0302448

m7 | .0178287 .0082546 2.16 0.034 .0014046 .0342528

m8 | .0185888 .0085368 2.18 0.032 .0016033 .0355743

m9 | .0107256 .0092101 1.16 0.248 -.0075996 .0290508

m10 | .0183256 .0085273 2.15 0.035 .0013591 .0352922

m11 | .0240706 .0086229 2.79 0.007 .0069138 .0412274

m12 | .0277138 .0079441 3.49 0.001 .0119075 .0435202

\_cons | -.0137178 .0065333 -2.10 0.039 -.026717 -.0007187

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.43

Model | .008114603 14 .000579614 Prob > F = 0.0067

Residual | .019308864 81 .000238381 R-squared = 0.2959

-------------+---------------------------------- Adj R-squared = 0.1742

Total | .027423467 95 .000288668 Root MSE = .01544

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3688511 .1016607 -3.63 0.000 -.5711241 -.1665781

|

lnemp1000 |

L2D. | .2344706 .3770469 0.62 0.536 -.5157345 .9846758

|

lnavg\_Week~r |

L2D. | -.3006618 .1604708 -1.87 0.065 -.6199483 .0186247

|

m2 | .0093355 .0084544 1.10 0.273 -.0074861 .026157

m3 | .0155241 .0128352 1.21 0.230 -.0100139 .0410622

m4 | .0079382 .0078432 1.01 0.315 -.0076674 .0235437

m5 | .0126904 .0080607 1.57 0.119 -.0033479 .0287287

m6 | .0137962 .0083571 1.65 0.103 -.0028319 .0304242

m7 | .018211 .0081673 2.23 0.029 .0019606 .0344615

m8 | .0188078 .008442 2.23 0.029 .002011 .0356047

m9 | .0110741 .0091081 1.22 0.228 -.0070481 .0291963

m10 | .0188604 .0084407 2.23 0.028 .0020661 .0356548

m11 | .0242838 .0085268 2.85 0.006 .0073182 .0412494

m12 | .0277873 .0078563 3.54 0.001 .0121557 .0434189

\_cons | -.0141065 .0064648 -2.18 0.032 -.0269695 -.0012435

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.40

Model | .00798228 14 .000570163 Prob > F = 0.0074

Residual | .019247561 81 .000237624 R-squared = 0.2931

-------------+---------------------------------- Adj R-squared = 0.1710

Total | .027229841 95 .00028663 Root MSE = .01542

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3588543 .1033065 -3.47 0.001 -.5644019 -.1533068

|

lnemp1000 |

L2D. | .2516329 .3779004 0.67 0.507 -.5002704 1.003536

|

lnavg\_Week~r |

L2D. | -.3140704 .160368 -1.96 0.054 -.6331524 .0050115

|

m2 | .0097234 .0084737 1.15 0.255 -.0071366 .0265833

m3 | .0160327 .0128533 1.25 0.216 -.0095414 .0416068

m4 | .008137 .0078389 1.04 0.302 -.00746 .023734

m5 | .0121954 .007916 1.54 0.127 -.0035549 .0279456

m6 | .0139938 .0083529 1.68 0.098 -.0026258 .0306134

m7 | .0183926 .0081622 2.25 0.027 .0021524 .0346328

m8 | .0190388 .0084399 2.26 0.027 .0022461 .0358315

m9 | .0113985 .0091146 1.25 0.215 -.0067368 .0295338

m10 | .0191628 .0084474 2.27 0.026 .0023551 .0359706

m11 | .0244516 .0085196 2.87 0.005 .0075002 .041403

m12 | .0279223 .0078472 3.56 0.001 .0123088 .0435359

\_cons | -.0143837 .0064763 -2.22 0.029 -.0272694 -.0014979

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.64

Model | .008399845 14 .000599989 Prob > F = 0.0033

Residual | .018413549 81 .000227328 R-squared = 0.3133

-------------+---------------------------------- Adj R-squared = 0.1946

Total | .026813394 95 .000282246 Root MSE = .01508

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3819698 .101686 -3.76 0.000 -.584293 -.1796465

|

lnemp1000 |

L2D. | .4875855 .3890748 1.25 0.214 -.2865513 1.261722

|

lnavg\_Week~r |

L2D. | -.2743449 .1582174 -1.73 0.087 -.5891478 .040458

|

m2 | .0106287 .0082981 1.28 0.204 -.005882 .0271394

m3 | .0224538 .0129972 1.73 0.088 -.0034065 .0483142

m4 | .0079056 .0076679 1.03 0.306 -.0073511 .0231622

m5 | .0123207 .0077421 1.59 0.115 -.0030836 .0277249

m6 | .0113852 .0079411 1.43 0.156 -.0044151 .0271855

m7 | .0198474 .0080174 2.48 0.015 .0038953 .0357995

m8 | .020983 .0083147 2.52 0.014 .0044394 .0375266

m9 | .0141746 .0090272 1.57 0.120 -.0037868 .0321359

m10 | .0208046 .0083034 2.51 0.014 .0042834 .0373257

m11 | .0267534 .0084165 3.18 0.002 .0100073 .0434995

m12 | .0285199 .0076813 3.71 0.000 .0132365 .0438033

\_cons | -.0162226 .0064028 -2.53 0.013 -.0289621 -.0034832

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.87

Model | .008836449 14 .000631175 Prob > F = 0.0015

Residual | .017811944 81 .000219901 R-squared = 0.3316

-------------+---------------------------------- Adj R-squared = 0.2161

Total | .026648393 95 .000280509 Root MSE = .01483

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4164321 .1018151 -4.09 0.000 -.6190122 -.2138521

|

lnemp1000 |

L2D. | .6085685 .3882154 1.57 0.121 -.1638584 1.380995

|

lnavg\_Week~r |

L2D. | -.3190626 .1551261 -2.06 0.043 -.6277148 -.0104104

|

m2 | .0105305 .0081616 1.29 0.201 -.0057087 .0267696

m3 | .0252722 .0128772 1.96 0.053 -.0003494 .0508937

m4 | .0077501 .007542 1.03 0.307 -.0072562 .0227564

m5 | .0122312 .0076146 1.61 0.112 -.0029194 .0273819

m6 | .0117428 .0078127 1.50 0.137 -.003802 .0272876

m7 | .0148802 .0078431 1.90 0.061 -.0007251 .0304855

m8 | .0219713 .0081939 2.68 0.009 .005668 .0382746

m9 | .0154936 .0089058 1.74 0.086 -.002226 .0332133

m10 | .0212774 .0081704 2.60 0.011 .0050208 .0375339

m11 | .0276638 .0082937 3.34 0.001 .011162 .0441656

m12 | .0290262 .0075581 3.84 0.000 .0139879 .0440645

\_cons | -.01698 .0063096 -2.69 0.009 -.0295342 -.0044258

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.89

Model | .008870578 14 .000633613 Prob > F = 0.0014

Residual | .017776829 81 .000219467 R-squared = 0.3329

-------------+---------------------------------- Adj R-squared = 0.2176

Total | .026647408 95 .000280499 Root MSE = .01481

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.420463 .1021709 -4.12 0.000 -.6237511 -.2171749

|

lnemp1000 |

L2D. | .6619746 .3936356 1.68 0.096 -.1212367 1.445186

|

lnavg\_Week~r |

L2D. | -.3353836 .1581605 -2.12 0.037 -.6500734 -.0206938

|

m2 | .0107834 .0081485 1.32 0.189 -.0054296 .0269965

m3 | .0266335 .0129574 2.06 0.043 .0008524 .0524147

m4 | .0078131 .0075342 1.04 0.303 -.0071777 .0228039

m5 | .0123536 .0076063 1.62 0.108 -.0027806 .0274877

m6 | .0120205 .0078075 1.54 0.128 -.0035139 .027555

m7 | .0151069 .0078335 1.93 0.057 -.0004794 .0306931

m8 | .0196298 .0081093 2.42 0.018 .0034949 .0357648

m9 | .0161671 .0089314 1.81 0.074 -.0016036 .0339377

m10 | .0216642 .0081669 2.65 0.010 .0054147 .0379137

m11 | .028119 .0082994 3.39 0.001 .0116058 .0446323

m12 | .0292631 .0075581 3.87 0.000 .0142249 .0443013

\_cons | -.0174336 .0063207 -2.76 0.007 -.0300097 -.0048574

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.88

Model | .008856059 14 .000632576 Prob > F = 0.0014

Residual | .017780304 81 .00021951 R-squared = 0.3325

-------------+---------------------------------- Adj R-squared = 0.2171

Total | .026636363 95 .000280383 Root MSE = .01482

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4198367 .1020845 -4.11 0.000 -.6229528 -.2167206

|

lnemp1000 |

L2D. | .6528683 .3887047 1.68 0.097 -.1205321 1.426269

|

lnavg\_Week~r |

L2D. | -.3341364 .1585177 -2.11 0.038 -.649537 -.0187358

|

m2 | .0107396 .0081472 1.32 0.191 -.0054706 .0269499

m3 | .0263946 .0128648 2.05 0.043 .0007977 .0519915

m4 | .0078076 .0075349 1.04 0.303 -.0071844 .0227996

m5 | .0123363 .0076063 1.62 0.109 -.0027978 .0274705

m6 | .0119717 .0078029 1.53 0.129 -.0035535 .027497

m7 | .015064 .007832 1.92 0.058 -.0005192 .0306472

m8 | .0195606 .0080995 2.42 0.018 .0034451 .0356761

m9 | .0158117 .0086114 1.84 0.070 -.0013223 .0329458

m10 | .021597 .0081577 2.65 0.010 .0053658 .0378283

m11 | .0280369 .0082844 3.38 0.001 .0115536 .0445202

m12 | .0292286 .0075542 3.87 0.000 .0141981 .0442591

\_cons | -.017357 .0063013 -2.75 0.007 -.0298946 -.0048195

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.88

Model | .008851217 14 .00063223 Prob > F = 0.0015

Residual | .017784746 81 .000219565 R-squared = 0.3323

-------------+---------------------------------- Adj R-squared = 0.2169

Total | .026635963 95 .000280379 Root MSE = .01482

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4194748 .1020686 -4.11 0.000 -.6225592 -.2163904

|

lnemp1000 |

L2D. | .6557306 .3921844 1.67 0.098 -.1245934 1.436055

|

lnavg\_Week~r |

L2D. | -.3332236 .1598966 -2.08 0.040 -.6513678 -.0150794

|

m2 | .0107675 .0081525 1.32 0.190 -.0054534 .0269884

m3 | .0264802 .0129521 2.04 0.044 .0007095 .0522509

m4 | .0078114 .0075359 1.04 0.303 -.0071826 .0228055

m5 | .0123464 .0076072 1.62 0.108 -.0027895 .0274824

m6 | .0119936 .00781 1.54 0.129 -.0035457 .027533

m7 | .0150882 .0078398 1.92 0.058 -.0005104 .0306869

m8 | .01959 .008114 2.41 0.018 .0034458 .0357343

m9 | .0158455 .0086289 1.84 0.070 -.0013233 .0330143

m10 | .0218287 .0080578 2.71 0.008 .0057962 .0378613

m11 | .0280685 .0083037 3.38 0.001 .0115467 .0445904

m12 | .0292357 .0075557 3.87 0.000 .0142022 .0442691

\_cons | -.017386 .0063164 -2.75 0.007 -.0299537 -.0048182

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.64

Model | .00843015 14 .000602154 Prob > F = 0.0033

Residual | .018474776 81 .000228084 R-squared = 0.3133

-------------+---------------------------------- Adj R-squared = 0.1946

Total | .026904926 95 .00028321 Root MSE = .0151

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4208682 .1042038 -4.04 0.000 -.6282012 -.2135352

|

lnemp1000 |

L2D. | .634754 .4072774 1.56 0.123 -.1756002 1.445108

|

lnavg\_Week~r |

L2D. | -.3431235 .1641868 -2.09 0.040 -.6698037 -.0164432

|

m2 | .010599 .0083168 1.27 0.206 -.0059488 .0271467

m3 | .0258515 .0133508 1.94 0.056 -.0007125 .0524155

m4 | .0078124 .0076811 1.02 0.312 -.0074706 .0230953

m5 | .0123013 .0077552 1.59 0.117 -.0031291 .0277316

m6 | .0118444 .0079702 1.49 0.141 -.0040138 .0277026

m7 | .0149217 .0079971 1.87 0.066 -.0009901 .0308334

m8 | .0193787 .0082889 2.34 0.022 .0028864 .035871

m9 | .015615 .0088388 1.77 0.081 -.0019715 .0332015

m10 | .0216605 .0082303 2.63 0.010 .0052848 .0380362

m11 | .0225593 .0082177 2.75 0.007 .0062086 .03891

m12 | .0291991 .0077082 3.79 0.000 .0138622 .0445361

\_cons | -.0171908 .0064713 -2.66 0.010 -.0300665 -.004315

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.34

Model | .007751575 14 .000553684 Prob > F = 0.0089

Residual | .019136052 81 .000236248 R-squared = 0.2883

-------------+---------------------------------- Adj R-squared = 0.1653

Total | .026887627 95 .000283028 Root MSE = .01537

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3856552 .1047891 -3.68 0.000 -.5941526 -.1771579

|

lnemp1000 |

L2D. | .5997711 .4358425 1.38 0.173 -.2674187 1.466961

|

lnavg\_Week~r |

L2D. | -.3003826 .1700432 -1.77 0.081 -.6387152 .0379499

|

m2 | .0112825 .0084733 1.33 0.187 -.0055766 .0281417

m3 | .0253913 .0140166 1.81 0.074 -.0024972 .0532799

m4 | .0080673 .0078167 1.03 0.305 -.0074856 .0236201

m5 | .0126265 .0078947 1.60 0.114 -.0030814 .0283345

m6 | .0120235 .0081391 1.48 0.143 -.0041709 .0282178

m7 | .0153032 .0081536 1.88 0.064 -.0009198 .0315263

m8 | .0194832 .0084897 2.29 0.024 .0025914 .036375

m9 | .0154211 .0091232 1.69 0.095 -.0027312 .0335735

m10 | .0218716 .0084244 2.60 0.011 .0051097 .0386335

m11 | .0225963 .0084086 2.69 0.009 .0058658 .0393268

m12 | .0261625 .0077561 3.37 0.001 .0107303 .0415947

\_cons | -.0172198 .0066812 -2.58 0.012 -.0305134 -.0039263

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.25

Model | .006970973 14 .000497927 Prob > F = 0.0124

Residual | .017964487 81 .000221784 R-squared = 0.2796

-------------+---------------------------------- Adj R-squared = 0.1550

Total | .024935461 95 .000262479 Root MSE = .01489

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4212894 .1014413 -4.15 0.000 -.6231257 -.2194531

|

lnemp1000 |

L2D. | .2134055 .4458082 0.48 0.633 -.673613 1.100424

|

lnavg\_Week~r |

L2D. | -.380217 .1676313 -2.27 0.026 -.7137507 -.0466833

|

m2 | -.0013778 .0085805 -0.16 0.873 -.0184503 .0156947

m3 | .0049121 .0148621 0.33 0.742 -.0246588 .0344829

m4 | -.0016741 .0076271 -0.22 0.827 -.0168495 .0135014

m5 | .0021097 .0077876 0.27 0.787 -.0133853 .0176047

m6 | -8.43e-07 .008251 -0.00 1.000 -.0164178 .0164162

m7 | .0030919 .0082784 0.37 0.710 -.0133795 .0195633

m8 | .0064914 .008729 0.74 0.459 -.0108766 .0238593

m9 | .0016608 .009422 0.18 0.861 -.017086 .0204076

m10 | .0092357 .0085805 1.08 0.285 -.0078368 .0263081

m11 | .0098002 .0086492 1.13 0.261 -.007409 .0270094

m12 | .0159034 .0076667 2.07 0.041 .000649 .0311578

\_cons | -.0041923 .0070924 -0.59 0.556 -.0183041 .0099194

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.00

Model | .006312836 14 .000450917 Prob > F = 0.0274

Residual | .018221874 81 .000224961 R-squared = 0.2573

-------------+---------------------------------- Adj R-squared = 0.1289

Total | .024534711 95 .00025826 Root MSE = .015

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3929579 .1027174 -3.83 0.000 -.5973334 -.1885825

|

lnemp1000 |

L2D. | .2155553 .4512122 0.48 0.634 -.6822154 1.113326

|

lnavg\_Week~r |

L2D. | -.3482299 .1692182 -2.06 0.043 -.684921 -.0115388

|

m2 | .0010683 .0083546 0.13 0.899 -.0155548 .0176914

m3 | .0054762 .015068 0.36 0.717 -.0245044 .0354568

m4 | -.0013176 .0076889 -0.17 0.864 -.0166161 .013981

m5 | .0025686 .007858 0.33 0.745 -.0130665 .0182036

m6 | .0004416 .0083364 0.05 0.958 -.0161453 .0170285

m7 | .0036878 .0083705 0.44 0.661 -.0129669 .0203425

m8 | .0069409 .0088261 0.79 0.434 -.0106202 .0245021

m9 | .0019679 .0095246 0.21 0.837 -.0169832 .0209189

m10 | .0097559 .0086777 1.12 0.264 -.00751 .0270219

m11 | .0101758 .00874 1.16 0.248 -.007214 .0275655

m12 | .0161804 .0077301 2.09 0.039 .0008 .0315608

\_cons | -.0046046 .007186 -0.64 0.523 -.0189026 .0096934

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.99

Model | .006260517 14 .00044718 Prob > F = 0.0282

Residual | .018158013 81 .000224173 R-squared = 0.2564

-------------+---------------------------------- Adj R-squared = 0.1279

Total | .024418529 95 .000257037 Root MSE = .01497

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3847702 .1036757 -3.71 0.000 -.5910523 -.178488

|

lnemp1000 |

L2D. | .1386316 .4692968 0.30 0.768 -.7951219 1.072385

|

lnavg\_Week~r |

L2D. | -.3674366 .1716244 -2.14 0.035 -.7089154 -.0259577

|

m2 | .0006465 .0083653 0.08 0.939 -.0159978 .0172908

m3 | .0043615 .0147171 0.30 0.768 -.0249208 .0336439

m4 | -.0014004 .0076755 -0.18 0.856 -.0166722 .0138715

m5 | .0023651 .0078491 0.30 0.764 -.0132521 .0179822

m6 | -.0001474 .0083772 -0.02 0.986 -.0168155 .0165207

m7 | .0031108 .0084066 0.37 0.712 -.0136156 .0198373

m8 | .0061284 .0089133 0.69 0.494 -.0116062 .023863

m9 | .0010066 .0096443 0.10 0.917 -.0181826 .0201957

m10 | .009128 .0087218 1.05 0.298 -.0082256 .0264816

m11 | .0093196 .008842 1.05 0.295 -.0082732 .0269125

m12 | .0158785 .0077319 2.05 0.043 .0004945 .0312625

\_cons | -.0038268 .0072883 -0.53 0.601 -.0183283 .0106747

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.97

Model | .006117931 14 .000436995 Prob > F = 0.0310

Residual | .018005351 81 .000222288 R-squared = 0.2536

-------------+---------------------------------- Adj R-squared = 0.1246

Total | .024123282 95 .000253929 Root MSE = .01491

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.386776 .1032239 -3.75 0.000 -.5921592 -.1813928

|

lnemp1000 |

L2D. | -.1265548 .4918391 -0.26 0.798 -1.10516 .8520507

|

lnavg\_Week~r |

L2D. | -.3384516 .1717172 -1.97 0.052 -.6801149 .0032117

|

m2 | -.001411 .0084103 -0.17 0.867 -.018145 .0153229

m3 | -.0028218 .0152272 -0.19 0.853 -.0331191 .0274756

m4 | .0039561 .0075792 0.52 0.603 -.011124 .0190362

m5 | .0011969 .007843 0.15 0.879 -.0144081 .0168019

m6 | -.002164 .0084207 -0.26 0.798 -.0189185 .0145905

m7 | .0011837 .008442 0.14 0.889 -.0156133 .0179806

m8 | .0035404 .0089986 0.39 0.695 -.014364 .0214448

m9 | -.0024667 .0098087 -0.25 0.802 -.0219828 .0170495

m10 | .0066294 .0088002 0.75 0.453 -.0108803 .0241391

m11 | .0069309 .0089115 0.78 0.439 -.0108001 .024662

m12 | .0148915 .0077197 1.93 0.057 -.0004683 .0302513

\_cons | -.001006 .0074348 -0.14 0.893 -.0157988 .0137869

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.12

Model | .0065924 14 .000470886 Prob > F = 0.0187

Residual | .01797738 81 .000221943 R-squared = 0.2683

-------------+---------------------------------- Adj R-squared = 0.1418

Total | .02456978 95 .000258629 Root MSE = .0149

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4145359 .1026721 -4.04 0.000 -.6188211 -.2102507

|

lnemp1000 |

L2D. | -.2252086 .5114157 -0.44 0.661 -1.242765 .7923482

|

lnavg\_Week~r |

L2D. | -.334717 .1713748 -1.95 0.054 -.6756991 .0062652

|

m2 | -.0026817 .0085178 -0.31 0.754 -.0196296 .0142661

m3 | -.0058419 .0157608 -0.37 0.712 -.0372009 .0255171

m4 | .0034658 .0075821 0.46 0.649 -.0116203 .0185518

m5 | .0005914 .0076937 0.08 0.939 -.0147167 .0158995

m6 | -.0032349 .0085191 -0.38 0.705 -.0201852 .0137154

m7 | .0000377 .0085463 0.00 0.996 -.0169667 .0170421

m8 | .0022914 .0091403 0.25 0.803 -.015895 .0204777

m9 | -.0039996 .010009 -0.40 0.691 -.0239144 .0159152

m10 | .0052595 .0089433 0.59 0.558 -.0125349 .0230538

m11 | .0058749 .0090275 0.65 0.517 -.0120871 .0238369

m12 | .01433 .0077442 1.85 0.068 -.0010786 .0297386

\_cons | .0003644 .0076311 0.05 0.962 -.0148191 .015548

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.14

Model | .006601389 14 .000471528 Prob > F = 0.0177

Residual | .017863896 81 .000220542 R-squared = 0.2698

-------------+---------------------------------- Adj R-squared = 0.1436

Total | .024465285 95 .000257529 Root MSE = .01485

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4108305 .1016075 -4.04 0.000 -.6129976 -.2086634

|

lnemp1000 |

L2D. | -.0718847 .541598 -0.13 0.895 -1.149495 1.005725

|

lnavg\_Week~r |

L2D. | -.3313843 .1707938 -1.94 0.056 -.6712104 .0084418

|

m2 | -.0014517 .0085933 -0.17 0.866 -.0185497 .0156463

m3 | -.0015985 .0164861 -0.10 0.923 -.0344008 .0312037

m4 | .0037372 .0075605 0.49 0.622 -.0113059 .0187803

m5 | .0011532 .0076929 0.15 0.881 -.0141532 .0164595

m6 | -.0043124 .0083412 -0.52 0.607 -.0209088 .0122841

m7 | .0012945 .0086377 0.15 0.881 -.0158919 .0184809

m8 | .0039152 .0093078 0.42 0.675 -.0146044 .0224348

m9 | -.001948 .0102607 -0.19 0.850 -.0223634 .0184675

m10 | .0067756 .0090763 0.75 0.458 -.0112834 .0248346

m11 | .0074131 .0091858 0.81 0.422 -.0108638 .0256901

m12 | .0149701 .0077544 1.93 0.057 -.0004588 .030399

\_cons | -.0013381 .0078566 -0.17 0.865 -.0169702 .0142939

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.12

Model | .006799778 14 .000485698 Prob > F = 0.0188

Residual | .018555346 81 .000229078 R-squared = 0.2682

-------------+---------------------------------- Adj R-squared = 0.1417

Total | .025355124 95 .000266896 Root MSE = .01514

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4169725 .104753 -3.98 0.000 -.625398 -.208547

|

lnemp1000 |

L2D. | -.0269301 .5676875 -0.05 0.962 -1.15645 1.10259

|

lnavg\_Week~r |

L2D. | -.3363986 .1748599 -1.92 0.058 -.684315 .0115177

|

m2 | -.0012247 .0087871 -0.14 0.889 -.0187082 .0162588

m3 | -.0004596 .0171393 -0.03 0.979 -.0345613 .0336422

m4 | .0037255 .0077055 0.48 0.630 -.011606 .0190569

m5 | .0012423 .0078455 0.16 0.875 -.0143677 .0168524

m6 | -.0040992 .0085264 -0.48 0.632 -.021064 .0128656

m7 | .0040548 .0086974 0.47 0.642 -.0132503 .0213599

m8 | .0042935 .009553 0.45 0.654 -.0147141 .023301

m9 | -.0014152 .0105775 -0.13 0.894 -.0224611 .0196306

m10 | .0070959 .009302 0.76 0.448 -.0114121 .0256039

m11 | .0077894 .0094271 0.83 0.411 -.0109676 .0265465

m12 | .015095 .0079122 1.91 0.060 -.0006477 .0308377

\_cons | -.0017427 .0080989 -0.22 0.830 -.0178571 .0143717

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.15

Model | .006899596 14 .000492828 Prob > F = 0.0168

Residual | .018539049 81 .000228877 R-squared = 0.2712

-------------+---------------------------------- Adj R-squared = 0.1453

Total | .025438645 95 .000267775 Root MSE = .01513

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4162134 .1031125 -4.04 0.000 -.6213749 -.2110519

|

lnemp1000 |

L2D. | .0290588 .596381 0.05 0.961 -1.157552 1.21567

|

lnavg\_Week~r |

L2D. | -.3446546 .1774711 -1.94 0.056 -.6977664 .0084573

|

m2 | -.0007832 .0088675 -0.09 0.930 -.0184268 .0168603

m3 | .0010548 .0177976 0.06 0.953 -.0343568 .0364664

m4 | .0038154 .0077002 0.50 0.622 -.0115055 .0191364

m5 | .0014339 .0078574 0.18 0.856 -.0141998 .0170676

m6 | -.0037278 .0085859 -0.43 0.665 -.0208111 .0133556

m7 | .0044117 .0087388 0.50 0.615 -.0129759 .0217992

m8 | .004489 .0093112 0.48 0.631 -.0140373 .0230153

m9 | -.0006813 .0108223 -0.06 0.950 -.0222142 .0208516

m10 | .0076255 .0094246 0.81 0.421 -.0111266 .0263775

m11 | .0082797 .0095429 0.87 0.388 -.0107077 .027267

m12 | .0152999 .0079292 1.93 0.057 -.0004768 .0310766

\_cons | -.0023375 .0082957 -0.28 0.779 -.0188433 .0141683

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.36

Model | .006832061 14 .000488004 Prob > F = 0.0084

Residual | .016728311 81 .000206522 R-squared = 0.2900

-------------+---------------------------------- Adj R-squared = 0.1673

Total | .023560372 95 .000248004 Root MSE = .01437

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.383784 .0981534 -3.91 0.000 -.5790784 -.1884896

|

lnemp1000 |

L2D. | -.6557187 .6042215 -1.09 0.281 -1.85793 .5464925

|

lnavg\_Week~r |

L2D. | -.3490535 .1673759 -2.09 0.040 -.6820791 -.0160279

|

m2 | -.00536 .0085459 -0.63 0.532 -.0223636 .0116435

m3 | -.0172732 .0178162 -0.97 0.335 -.0527219 .0181755

m4 | .0032165 .0073172 0.44 0.661 -.0113425 .0177754

m5 | -.0005878 .0074905 -0.08 0.938 -.0154915 .0143159

m6 | -.0079554 .0082594 -0.96 0.338 -.024389 .0084782

m7 | .0001071 .0084022 0.01 0.990 -.0166106 .0168248

m8 | -.001613 .0090303 -0.18 0.859 -.0195805 .0163545

m9 | -.0064543 .0102616 -0.63 0.531 -.0268716 .0139631

m10 | .0016493 .0091419 0.18 0.857 -.0165403 .0198389

m11 | .0016965 .009274 0.18 0.855 -.0167559 .0201489

m12 | .0127874 .0075703 1.69 0.095 -.0022751 .0278499

\_cons | .0046895 .0081707 0.57 0.568 -.0115677 .0209467

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.25

Model | .006469833 14 .000462131 Prob > F = 0.0124

Residual | .016663219 81 .000205719 R-squared = 0.2797

-------------+---------------------------------- Adj R-squared = 0.1552

Total | .023133052 95 .000243506 Root MSE = .01434

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3715252 .0999951 -3.72 0.000 -.5704841 -.1725663

|

lnemp1000 |

L2D. | -.5860862 .6045507 -0.97 0.335 -1.788952 .61678

|

lnavg\_Week~r |

L2D. | -.3684791 .1643716 -2.24 0.028 -.6955271 -.0414311

|

m2 | -.0045949 .0086055 -0.53 0.595 -.0217171 .0125274

m3 | -.0152799 .0178918 -0.85 0.396 -.0508789 .0203191

m4 | .0034679 .0073164 0.47 0.637 -.0110894 .0180253

m5 | -.0002466 .0074954 -0.03 0.974 -.0151601 .0146669

m6 | -.0073653 .0082898 -0.89 0.377 -.0238594 .0091289

m7 | .000683 .0084384 0.08 0.936 -.0161068 .0174728

m8 | -.0010348 .009043 -0.11 0.909 -.0190275 .0169579

m9 | -.0054749 .010301 -0.53 0.597 -.0259705 .0150208

m10 | .0018681 .0089602 0.21 0.835 -.0159599 .019696

m11 | .0022882 .0092839 0.25 0.806 -.0161839 .0207603

m12 | .0130918 .0075696 1.73 0.088 -.0019692 .0281528

\_cons | .0038411 .0082252 0.47 0.642 -.0125244 .0202066

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 2.01

Model | .006009946 14 .000429282 Prob > F = 0.0265

Residual | .017258065 81 .000213063 R-squared = 0.2583

-------------+---------------------------------- Adj R-squared = 0.1301

Total | .023268011 95 .000244926 Root MSE = .0146

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4017702 .1031886 -3.89 0.000 -.6070831 -.1964572

|

lnemp1000 |

L2D. | -.129052 .5667637 -0.23 0.820 -1.256734 .9986299

|

lnavg\_Week~r |

L2D. | -.2670017 .1559368 -1.71 0.091 -.577267 .0432635

|

m2 | -.0017381 .0086057 -0.20 0.840 -.0188608 .0153846

m3 | -.0028604 .0169519 -0.17 0.866 -.0365893 .0308686

m4 | .0037783 .0074444 0.51 0.613 -.0110338 .0185904

m5 | .0010996 .0075883 0.14 0.885 -.0139988 .0161979

m6 | -.0044393 .0082732 -0.54 0.593 -.0209003 .0120218

m7 | .0040019 .0083728 0.48 0.634 -.0126573 .020661

m8 | .0036356 .0088368 0.41 0.682 -.0139469 .0212181

m9 | -.0001553 .010083 -0.02 0.988 -.0202172 .0199067

m10 | .0059508 .0088272 0.67 0.502 -.0116125 .023514

m11 | .0041091 .0094332 0.44 0.664 -.0146599 .0228781

m12 | .0149721 .00763 1.96 0.053 -.0002093 .0301535

\_cons | -.0009614 .0079462 -0.12 0.904 -.0167718 .0148489

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.99

Model | .00480143 14 .000342959 Prob > F = 0.0284

Residual | .013935101 81 .000172038 R-squared = 0.2563

-------------+---------------------------------- Adj R-squared = 0.1277

Total | .018736532 95 .000197227 Root MSE = .01312

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3899321 .0926124 -4.21 0.000 -.5742018 -.2056624

|

lnemp1000 |

L2D. | .4929587 .4576143 1.08 0.285 -.4175503 1.403468

|

lnavg\_Week~r |

L2D. | -.2213396 .1366763 -1.62 0.109 -.4932825 .0506034

|

m2 | .0031802 .0075807 0.42 0.676 -.011903 .0182635

m3 | .0144107 .0139561 1.03 0.305 -.0133576 .042179

m4 | .0048454 .0066858 0.72 0.471 -.0084573 .0181481

m5 | .0033736 .0067818 0.50 0.620 -.0101201 .0168673

m6 | .0000343 .0072853 0.00 0.996 -.0144611 .0145298

m7 | .0088421 .007345 1.20 0.232 -.0057722 .0234563

m8 | .0096857 .0076278 1.27 0.208 -.0054912 .0248625

m9 | .0076148 .0086583 0.88 0.382 -.0096124 .024842

m10 | .0118138 .0076729 1.54 0.128 -.0034527 .0270804

m11 | .0115963 .0079911 1.45 0.151 -.0043034 .0274961

m12 | .0105411 .0066376 1.59 0.116 -.0026657 .0237479

\_cons | -.0079009 .0067292 -1.17 0.244 -.0212898 .005488

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.39

Model | .003397229 14 .000242659 Prob > F = 0.1754

Residual | .01410383 81 .000174121 R-squared = 0.1941

-------------+---------------------------------- Adj R-squared = 0.0548

Total | .017501059 95 .000184222 Root MSE = .0132

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3861133 .107844 -3.58 0.001 -.600689 -.1715377

|

lnemp1000 |

L2D. | .5039025 .4850539 1.04 0.302 -.4612026 1.469008

|

lnavg\_Week~r |

L2D. | -.2234495 .1492939 -1.50 0.138 -.5204976 .0735985

|

m2 | .0017661 .0077717 0.23 0.821 -.0136972 .0172294

m3 | .01318 .0149441 0.88 0.380 -.016554 .042914

m4 | .0033391 .0067083 0.50 0.620 -.0100084 .0166866

m5 | .0018768 .0069059 0.27 0.786 -.0118637 .0156174

m6 | -.0014157 .0074838 -0.19 0.850 -.0163061 .0134748

m7 | .0073998 .0074502 0.99 0.324 -.0074237 .0222233

m8 | .0082238 .0079731 1.03 0.305 -.0076402 .0240878

m9 | .0062179 .0091915 0.68 0.501 -.0120703 .0245061

m10 | .010383 .0079194 1.31 0.194 -.0053741 .02614

m11 | .0101395 .0083085 1.22 0.226 -.0063918 .0266708

m12 | .0090196 .0067649 1.33 0.186 -.0044404 .0224797

\_cons | -.006488 .0071944 -0.90 0.370 -.0208026 .0078266

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.64

Model | .003871285 14 .00027652 Prob > F = 0.0860

Residual | .013660095 81 .000168643 R-squared = 0.2208

-------------+---------------------------------- Adj R-squared = 0.0861

Total | .017531379 95 .000184541 Root MSE = .01299

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4293715 .10849 -3.96 0.000 -.6452325 -.2135105

|

lnemp1000 |

L2D. | .5084531 .477307 1.07 0.290 -.4412382 1.458144

|

lnavg\_Week~r |

L2D. | -.2244072 .1468926 -1.53 0.130 -.5166774 .067863

|

m2 | .0085256 .0075659 1.13 0.263 -.0065282 .0235795

m3 | .0130713 .0147066 0.89 0.377 -.0161902 .0423327

m4 | .003099 .0066032 0.47 0.640 -.0100394 .0162373

m5 | .0017624 .0067967 0.26 0.796 -.011761 .0152857

m6 | -.0016609 .0073666 -0.23 0.822 -.0163182 .0129964

m7 | .0070054 .0073357 0.95 0.342 -.0075904 .0216013

m8 | .0083074 .0078462 1.06 0.293 -.007304 .0239188

m9 | .0061366 .0090458 0.68 0.499 -.0118617 .0241349

m10 | .0101339 .0077953 1.30 0.197 -.0053763 .0256441

m11 | .0102468 .0081757 1.25 0.214 -.0060203 .0265139

m12 | .0089857 .0066576 1.35 0.181 -.0042608 .0222323

\_cons | -.0063385 .0070809 -0.90 0.373 -.0204272 .0077503

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.37

Model | .003395123 14 .000242509 Prob > F = 0.1873

Residual | .01434164 81 .000177057 R-squared = 0.1914

-------------+---------------------------------- Adj R-squared = 0.0517

Total | .017736764 95 .000186703 Root MSE = .01331

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3849614 .109822 -3.51 0.001 -.6034728 -.1664501

|

lnemp1000 |

L2D. | .5171005 .4991312 1.04 0.303 -.4760141 1.510215

|

lnavg\_Week~r |

L2D. | -.2169232 .1535469 -1.41 0.162 -.5224333 .088587

|

m2 | .0088899 .0078115 1.14 0.258 -.0066526 .0244323

m3 | .0159821 .0150674 1.06 0.292 -.0139973 .0459615

m4 | .0033591 .0067744 0.50 0.621 -.0101198 .016838

m5 | .0019236 .0069815 0.28 0.784 -.0119674 .0158146

m6 | -.0013116 .0075928 -0.17 0.863 -.0164188 .0137957

m7 | .0075356 .0075542 1.00 0.321 -.0074949 .0225661

m8 | .0083789 .0080825 1.04 0.303 -.0077028 .0244606

m9 | .0063767 .0093752 0.68 0.498 -.012277 .0250304

m10 | .0105287 .0080455 1.31 0.194 -.0054793 .0265367

m11 | .0103598 .0084168 1.23 0.222 -.006387 .0271066

m12 | .0089936 .006832 1.32 0.192 -.0045999 .0225871

\_cons | -.0066424 .0073551 -0.90 0.369 -.0212767 .0079918

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.25

Model | .003178937 14 .000227067 Prob > F = 0.2554

Residual | .014682243 81 .000181262 R-squared = 0.1780

-------------+---------------------------------- Adj R-squared = 0.0359

Total | .01786118 95 .000188012 Root MSE = .01346

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3582542 .1095735 -3.27 0.002 -.5762712 -.1402372

|

lnemp1000 |

L2D. | .4775159 .5045392 0.95 0.347 -.5263588 1.481391

|

lnavg\_Week~r |

L2D. | -.1904641 .1545999 -1.23 0.222 -.4980694 .1171413

|

m2 | .0086945 .0079027 1.10 0.275 -.0070295 .0244184

m3 | .0149663 .0152368 0.98 0.329 -.0153502 .0452827

m4 | .0057503 .00687 0.84 0.405 -.0079188 .0194195

m5 | .0018047 .0070635 0.26 0.799 -.0122494 .0158588

m6 | -.0014379 .0076825 -0.19 0.852 -.0167236 .0138478

m7 | .0075895 .0076443 0.99 0.324 -.0076202 .0227992

m8 | .0080756 .0081784 0.99 0.326 -.0081968 .024348

m9 | .0058883 .0094811 0.62 0.536 -.0129761 .0247527

m10 | .0103841 .0081413 1.28 0.206 -.0058146 .0265827

m11 | .0101374 .0085217 1.19 0.238 -.0068181 .0270929

m12 | .008779 .0069112 1.27 0.208 -.0049721 .02253

\_cons | -.0063079 .0074401 -0.85 0.399 -.0211113 .0084955

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.34

Model | .003351693 14 .000239407 Prob > F = 0.2048

Residual | .014506823 81 .000179097 R-squared = 0.1877

-------------+---------------------------------- Adj R-squared = 0.0473

Total | .017858516 95 .000187984 Root MSE = .01338

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3580003 .1085077 -3.30 0.001 -.5738966 -.142104

|

lnemp1000 |

L2D. | .4767168 .5010362 0.95 0.344 -.520188 1.473622

|

lnavg\_Week~r |

L2D. | -.1988352 .1538034 -1.29 0.200 -.5048558 .1071853

|

m2 | .0087134 .0078545 1.11 0.271 -.0069145 .0243414

m3 | .0149228 .0151342 0.99 0.327 -.0151894 .0450351

m4 | .0057918 .006829 0.85 0.399 -.0077957 .0193793

m5 | .0000567 .0070384 0.01 0.994 -.0139475 .0140609

m6 | -.0014406 .0076357 -0.19 0.851 -.0166333 .0137522

m7 | .007556 .0075983 0.99 0.323 -.0075623 .0226743

m8 | .0080327 .008127 0.99 0.326 -.0081375 .0242029

m9 | .0058991 .0094205 0.63 0.533 -.0128448 .024643

m10 | .0103618 .0080914 1.28 0.204 -.0057376 .0264613

m11 | .0100398 .0084686 1.19 0.239 -.00681 .0268897

m12 | .0088373 .0068697 1.29 0.202 -.0048313 .0225059

\_cons | -.0063022 .0073926 -0.85 0.396 -.021011 .0084067

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.15

Model | .002929326 14 .000209238 Prob > F = 0.3279

Residual | .014710251 81 .000181608 R-squared = 0.1661

-------------+---------------------------------- Adj R-squared = 0.0219

Total | .017639577 95 .00018568 Root MSE = .01348

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3502569 .1101061 -3.18 0.002 -.5693335 -.1311802

|

lnemp1000 |

L2D. | .4146196 .5017675 0.83 0.411 -.5837403 1.41298

|

lnavg\_Week~r |

L2D. | -.1752591 .1550209 -1.13 0.262 -.4837021 .133184

|

m2 | .0082133 .0078968 1.04 0.301 -.0074988 .0239255

m3 | .013277 .0151739 0.87 0.384 -.0169144 .0434684

m4 | .0056066 .006875 0.82 0.417 -.0080724 .0192857

m5 | -.0002131 .0070837 -0.03 0.976 -.0143074 .0138813

m6 | .0014303 .0078065 0.18 0.855 -.0141022 .0169628

m7 | .0072403 .0076457 0.95 0.346 -.0079722 .0224529

m8 | .0075162 .008171 0.92 0.360 -.0087415 .0237739

m9 | .0050638 .0094595 0.54 0.594 -.0137575 .0238852

m10 | .0098707 .0081353 1.21 0.229 -.006316 .0260573

m11 | .0095536 .0085158 1.12 0.265 -.00739 .0264973

m12 | .0085902 .0069162 1.24 0.218 -.0051709 .0223513

\_cons | -.0056228 .0074199 -0.76 0.451 -.0203861 .0091406

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.13

Model | .002875006 14 .000205358 Prob > F = 0.3449

Residual | .014710127 81 .000181607 R-squared = 0.1635

-------------+---------------------------------- Adj R-squared = 0.0189

Total | .017585132 95 .000185107 Root MSE = .01348

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3500713 .1097596 -3.19 0.002 -.5684585 -.1316841

|

lnemp1000 |

L2D. | .4155521 .5022467 0.83 0.410 -.5837613 1.414866

|

lnavg\_Week~r |

L2D. | -.1754291 .1551552 -1.13 0.262 -.4841392 .1332811

|

m2 | .0082225 .0079032 1.04 0.301 -.0075024 .0239474

m3 | .0133022 .0151851 0.88 0.384 -.0169114 .0435158

m4 | .0056099 .0068761 0.82 0.417 -.0080713 .0192912

m5 | -.0002087 .0070849 -0.03 0.977 -.0143054 .013888

m6 | .0014393 .007813 0.18 0.854 -.0141062 .0169849

m7 | .0071902 .0075991 0.95 0.347 -.0079296 .02231

m8 | .0075244 .0081721 0.92 0.360 -.0087354 .0237843

m9 | .0050769 .009467 0.54 0.593 -.0137594 .0239133

m10 | .0098804 .0081416 1.21 0.228 -.0063188 .0260796

m11 | .0095624 .0085157 1.12 0.265 -.0073811 .0265059

m12 | .0085929 .0069169 1.24 0.218 -.0051696 .0223554

\_cons | -.0056344 .0074282 -0.76 0.450 -.0204142 .0091455

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.14

Model | .002882586 14 .000205899 Prob > F = 0.3382

Residual | .014640931 81 .000180752 R-squared = 0.1645

-------------+---------------------------------- Adj R-squared = 0.0201

Total | .017523517 95 .000184458 Root MSE = .01344

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3483407 .109535 -3.18 0.002 -.566281 -.1304003

|

lnemp1000 |

L2D. | .3999619 .4997111 0.80 0.426 -.5943064 1.39423

|

lnavg\_Week~r |

L2D. | -.1618969 .1551517 -1.04 0.300 -.4706 .1468063

|

m2 | .0080741 .0078781 1.02 0.308 -.0076008 .0237489

m3 | .0129085 .0151169 0.85 0.396 -.0171694 .0429865

m4 | .0055246 .0068592 0.81 0.423 -.0081232 .0191724

m5 | -.0002811 .0070663 -0.04 0.968 -.0143408 .0137786

m6 | .0013357 .0077889 0.17 0.864 -.0141618 .0168331

m7 | .0071481 .0075776 0.94 0.348 -.0079289 .0222251

m8 | .0058669 .0083272 0.70 0.483 -.0107017 .0224355

m9 | .0048481 .0094315 0.51 0.609 -.0139176 .0236138

m10 | .0097706 .0081154 1.20 0.232 -.0063766 .0259177

m11 | .0095206 .0084899 1.12 0.265 -.0073717 .0264128

m12 | .0084768 .0069003 1.23 0.223 -.0052527 .0222063

\_cons | -.0054608 .0073984 -0.74 0.463 -.0201812 .0092596

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.07

Model | .002806411 14 .000200458 Prob > F = 0.3993

Residual | .015217903 81 .000187875 R-squared = 0.1557

-------------+---------------------------------- Adj R-squared = 0.0098

Total | .018024314 95 .00018973 Root MSE = .01371

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3520158 .1119761 -3.14 0.002 -.5748131 -.1292184

|

lnemp1000 |

L2D. | .3676506 .5108198 0.72 0.474 -.6487206 1.384022

|

lnavg\_Week~r |

L2D. | -.1663366 .158167 -1.05 0.296 -.4810395 .1483662

|

m2 | .0078057 .0080349 0.97 0.334 -.0081813 .0237926

m3 | .0120078 .0154452 0.78 0.439 -.0187233 .042739

m4 | .0054747 .0069931 0.78 0.436 -.0084395 .0193888

m5 | -.000423 .0072056 -0.06 0.953 -.01476 .013914

m6 | .0010428 .0079433 0.13 0.896 -.0147619 .0168474

m7 | .0068559 .0077281 0.89 0.378 -.0085205 .0222324

m8 | .0055508 .0084975 0.65 0.515 -.0113566 .0224581

m9 | .0082745 .0095656 0.87 0.390 -.010758 .027307

m10 | .0094306 .0082782 1.14 0.258 -.0070405 .0259017

m11 | .0091037 .0086655 1.05 0.297 -.008138 .0263454

m12 | .008458 .0070352 1.20 0.233 -.0055399 .022456

\_cons | -.0050757 .0075521 -0.67 0.503 -.020102 .0099505

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 0.99

Model | .00257195 14 .000183711 Prob > F = 0.4731

Residual | .015061829 81 .000185949 R-squared = 0.1459

-------------+---------------------------------- Adj R-squared = -0.0018

Total | .01763378 95 .000185619 Root MSE = .01364

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3213021 .109592 -2.93 0.004 -.5393558 -.1032484

|

lnemp1000 |

L2D. | .6040734 .515956 1.17 0.245 -.4225172 1.630664

|

lnavg\_Week~r |

L2D. | -.2398997 .1613698 -1.49 0.141 -.5609749 .0811755

|

m2 | .0100941 .008027 1.26 0.212 -.0058771 .0260653

m3 | .0183267 .0155452 1.18 0.242 -.0126034 .0492569

m4 | .0063851 .0069631 0.92 0.362 -.0074693 .0202396

m5 | .0006815 .0071793 0.09 0.925 -.013603 .014966

m6 | .0031717 .0079242 0.40 0.690 -.0125951 .0189385

m7 | .0084868 .0076992 1.10 0.274 -.0068323 .0238058

m8 | .0078937 .0084997 0.93 0.356 -.009018 .0248055

m9 | .0116528 .0095906 1.22 0.228 -.0074295 .0307351

m10 | .0110569 .0080038 1.38 0.171 -.0048681 .0269819

m11 | .0110352 .0086459 1.28 0.205 -.0061675 .0282379

m12 | .0093498 .0070093 1.33 0.186 -.0045964 .023296

\_cons | -.0079389 .0075771 -1.05 0.298 -.0230148 .0071371

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.07

Model | .00278808 14 .000199149 Prob > F = 0.3936

Residual | .015027382 81 .000185523 R-squared = 0.1565

-------------+---------------------------------- Adj R-squared = 0.0107

Total | .017815462 95 .000187531 Root MSE = .01362

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3452772 .109893 -3.14 0.002 -.5639297 -.1266246

|

lnemp1000 |

L2D. | .6601834 .5182473 1.27 0.206 -.3709662 1.691333

|

lnavg\_Week~r |

L2D. | -.2481992 .1601608 -1.55 0.125 -.566869 .0704706

|

m2 | .0103883 .0080233 1.29 0.199 -.0055756 .0263522

m3 | .0198441 .0156023 1.27 0.207 -.0111995 .0508878

m4 | .0064072 .006955 0.92 0.360 -.0074311 .0202454

m5 | .0008934 .0071741 0.12 0.901 -.0133808 .0151676

m6 | .003408 .007921 0.43 0.668 -.0123523 .0191683

m7 | .0087353 .0076987 1.13 0.260 -.0065826 .0240533

m8 | .0084409 .0085064 0.99 0.324 -.0084842 .025366

m9 | .0122679 .0095979 1.28 0.205 -.006829 .0313647

m10 | .0114625 .0080097 1.43 0.156 -.0044742 .0273993

m11 | .0091403 .008531 1.07 0.287 -.0078337 .0261143

m12 | .0094626 .0069998 1.35 0.180 -.0044649 .0233901

\_cons | -.0084701 .0075886 -1.12 0.268 -.023569 .0066288

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.06

Model | .002752573 14 .000196612 Prob > F = 0.4030

Residual | .014984187 81 .00018499 R-squared = 0.1552

-------------+---------------------------------- Adj R-squared = 0.0092

Total | .01773676 95 .000186703 Root MSE = .0136

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3439425 .1094503 -3.14 0.002 -.5617142 -.1261708

|

lnemp1000 |

L2D. | .7352863 .5245344 1.40 0.165 -.3083726 1.778945

|

lnavg\_Week~r |

L2D. | -.2773153 .1624624 -1.71 0.092 -.6005646 .045934

|

m2 | .0110712 .0080419 1.38 0.172 -.0049296 .027072

m3 | .0218351 .0157456 1.39 0.169 -.0094936 .0531639

m4 | .0066849 .0069491 0.96 0.339 -.0071416 .0205115

m5 | .0012354 .0071735 0.17 0.864 -.0130376 .0155085

m6 | .0040081 .0079322 0.51 0.615 -.0117745 .0197907

m7 | .0091751 .0077017 1.19 0.237 -.0061489 .0244991

m8 | .009185 .0085361 1.08 0.285 -.0077992 .0261692

m9 | .0133134 .0096506 1.38 0.172 -.0058882 .032515

m10 | .0119944 .0080211 1.50 0.139 -.003965 .0279538

m11 | .0097423 .0085491 1.14 0.258 -.0072677 .0267523

m12 | .0065912 .0069321 0.95 0.345 -.0072016 .020384

\_cons | -.0093419 .0076368 -1.22 0.225 -.0245366 .0058529

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 0.97

Model | .002474057 14 .000176718 Prob > F = 0.4892

Residual | .014732904 81 .000181888 R-squared = 0.1438

-------------+---------------------------------- Adj R-squared = -0.0042

Total | .017206962 95 .000181126 Root MSE = .01349

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3335642 .1086724 -3.07 0.003 -.5497883 -.1173402

|

lnemp1000 |

L2D. | .6308133 .5275587 1.20 0.235 -.418863 1.680489

|

lnavg\_Week~r |

L2D. | -.2628783 .1611924 -1.63 0.107 -.5836006 .0578441

|

m2 | .0079956 .0081491 0.98 0.329 -.0082185 .0242097

m3 | .0167148 .0160568 1.04 0.301 -.0152332 .0486628

m4 | .0042001 .0069517 0.60 0.547 -.0096317 .0180319

m5 | -.0014939 .0072225 -0.21 0.837 -.0158644 .0128765

m6 | .0009824 .0080169 0.12 0.903 -.0149688 .0169335

m7 | .0062193 .0077662 0.80 0.426 -.009233 .0216715

m8 | .0058734 .0086922 0.68 0.501 -.0114214 .0231683

m9 | .009708 .0098389 0.99 0.327 -.0098683 .0292844

m10 | .0088729 .008127 1.09 0.278 -.0072971 .025043

m11 | .0064194 .0086862 0.74 0.462 -.0108634 .0237023

m12 | .0041426 .0069344 0.60 0.552 -.0096546 .0179398

\_cons | -.0059071 .0078526 -0.75 0.454 -.0215313 .0097172

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.24

Model | .002996927 14 .000214066 Prob > F = 0.2670

Residual | .014036621 81 .000173292 R-squared = 0.1759

-------------+---------------------------------- Adj R-squared = 0.0335

Total | .017033548 95 .000179301 Root MSE = .01316

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3787243 .1076371 -3.52 0.001 -.5928884 -.1645602

|

lnemp1000 |

L2D. | .7260956 .5087428 1.43 0.157 -.286143 1.738334

|

lnavg\_Week~r |

L2D. | -.3029912 .1577478 -1.92 0.058 -.6168598 .0108773

|

m2 | .0113217 .0081121 1.40 0.167 -.0048188 .0274622

m3 | .0193711 .0155164 1.25 0.215 -.0115017 .0502439

m4 | .0044928 .0067826 0.66 0.510 -.0090025 .0179881

m5 | -.0009785 .0070395 -0.14 0.890 -.0149849 .0130278

m6 | .0014802 .0077987 0.19 0.850 -.0140368 .0169971

m7 | .0066323 .0075577 0.88 0.383 -.0084051 .0216698

m8 | .0069559 .0084449 0.82 0.413 -.0098468 .0237585

m9 | .0109483 .0095446 1.15 0.255 -.0080424 .0299391

m10 | .009577 .0079015 1.21 0.229 -.0061445 .0252984

m11 | .0073252 .0084356 0.87 0.388 -.009459 .0241094

m12 | .0044872 .006767 0.66 0.509 -.008977 .0179515

\_cons | -.0069424 .0076071 -0.91 0.364 -.0220782 .0081934

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.26

Model | .003051438 14 .00021796 Prob > F = 0.2475

Residual | .013957281 81 .000172312 R-squared = 0.1794

-------------+---------------------------------- Adj R-squared = 0.0376

Total | .017008719 95 .000179039 Root MSE = .01313

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.386286 .1075324 -3.59 0.001 -.6002417 -.1723304

|

lnemp1000 |

L2D. | .6878264 .5039424 1.36 0.176 -.3148609 1.690514

|

lnavg\_Week~r |

L2D. | -.2973143 .1570278 -1.89 0.062 -.6097504 .0151219

|

m2 | .0109521 .0080739 1.36 0.179 -.0051124 .0270167

m3 | .0192375 .0150637 1.28 0.205 -.0107346 .0492096

m4 | .0043609 .006763 0.64 0.521 -.0090953 .017817

m5 | -.0011607 .0070134 -0.17 0.869 -.0151152 .0127938

m6 | .0011069 .0077714 0.14 0.887 -.0143557 .0165696

m7 | .0063188 .0075295 0.84 0.404 -.0086626 .0213001

m8 | .0065746 .0083967 0.78 0.436 -.0101323 .0232814

m9 | .0104021 .0094906 1.10 0.276 -.0084813 .0292855

m10 | .0092446 .0078637 1.18 0.243 -.0064017 .0248909

m11 | .0069496 .008387 0.83 0.410 -.0097378 .023637

m12 | .0043823 .0067471 0.65 0.518 -.0090423 .0178069

\_cons | -.0064653 .0075596 -0.86 0.395 -.0215066 .008576

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.31

Model | .003135266 14 .000223948 Prob > F = 0.2196

Residual | .013840091 81 .000170865 R-squared = 0.1847

-------------+---------------------------------- Adj R-squared = 0.0438

Total | .016975357 95 .000178688 Root MSE = .01307

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3926983 .1072962 -3.66 0.000 -.6061841 -.1792125

|

lnemp1000 |

L2D. | .6487085 .5007915 1.30 0.199 -.3477094 1.645126

|

lnavg\_Week~r |

L2D. | -.3105068 .1571356 -1.98 0.052 -.6231573 .0021438

|

m2 | .0106503 .0080315 1.33 0.189 -.0053299 .0266304

m3 | .0181698 .0149775 1.21 0.229 -.0116307 .0479703

m4 | .0053032 .0067138 0.79 0.432 -.0080551 .0186615

m5 | -.0013229 .0069815 -0.19 0.850 -.0152139 .0125681

m6 | .0007396 .007735 0.10 0.924 -.0146506 .0161298

m7 | .0059224 .0074991 0.79 0.432 -.0089984 .0208432

m8 | .0062015 .0083536 0.74 0.460 -.0104196 .0228226

m9 | .0099142 .0094374 1.05 0.297 -.0088633 .0286916

m10 | .0088298 .0078298 1.13 0.263 -.0067491 .0244087

m11 | .0064346 .0083525 0.77 0.443 -.0101842 .0230534

m12 | .0044134 .0067179 0.66 0.513 -.0089532 .01778

\_cons | -.006 .0075175 -0.80 0.427 -.0209575 .0089575

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.27

Model | .003047705 14 .000217693 Prob > F = 0.2465

Residual | .013922633 81 .000171884 R-squared = 0.1796

-------------+---------------------------------- Adj R-squared = 0.0378

Total | .016970338 95 .000178635 Root MSE = .01311

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3906696 .1077645 -3.63 0.001 -.6050872 -.176252

|

lnemp1000 |

L2D. | .591068 .4954142 1.19 0.236 -.394651 1.576787

|

lnavg\_Week~r |

L2D. | -.2943768 .1558832 -1.89 0.063 -.6045354 .0157819

|

m2 | .0100903 .008015 1.26 0.212 -.0058571 .0260377

m3 | .0166319 .0148591 1.12 0.266 -.0129331 .0461968

m4 | .005116 .0067284 0.76 0.449 -.0082713 .0185033

m5 | -.000607 .0070913 -0.09 0.932 -.0147165 .0135026

m6 | .0002673 .0077281 0.03 0.972 -.0151091 .0156438

m7 | .0055363 .0075008 0.74 0.463 -.0093879 .0204606

m8 | .0055972 .0083335 0.67 0.504 -.0109839 .0221783

m9 | .0091091 .0093944 0.97 0.335 -.0095828 .027801

m10 | .0083636 .0078245 1.07 0.288 -.0072048 .0239319

m11 | .0058894 .0083409 0.71 0.482 -.0107063 .0224851

m12 | .0042226 .0067323 0.63 0.532 -.0091726 .0176178

\_cons | -.0053113 .0074745 -0.71 0.479 -.0201832 .0095607

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.26

Model | .002881148 14 .000205796 Prob > F = 0.2536

Residual | .013277772 81 .000163923 R-squared = 0.1783

-------------+---------------------------------- Adj R-squared = 0.0363

Total | .01615892 95 .000170094 Root MSE = .0128

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3806302 .1051808 -3.62 0.001 -.589907 -.1713534

|

lnemp1000 |

L2D. | .6644106 .4852149 1.37 0.175 -.3010148 1.629836

|

lnavg\_Week~r |

L2D. | -.2880497 .1522635 -1.89 0.062 -.5910063 .0149069

|

m2 | .0107235 .0078337 1.37 0.175 -.0048631 .0263102

m3 | .0186051 .0145449 1.28 0.204 -.0103347 .0475448

m4 | .0051782 .0065708 0.79 0.433 -.0078955 .018252

m5 | -.0002584 .0069274 -0.04 0.970 -.0140417 .0135249

m6 | .0055863 .0076543 0.73 0.468 -.0096434 .020816

m7 | .0061929 .0073325 0.84 0.401 -.0083965 .0207823

m8 | .0063183 .0081463 0.78 0.440 -.0098904 .0225269

m9 | .0100815 .0091873 1.10 0.276 -.0081984 .0283614

m10 | .0090675 .0076494 1.19 0.239 -.0061524 .0242874

m11 | .0067354 .0081565 0.83 0.411 -.0094935 .0229643

m12 | .0042931 .0065746 0.65 0.516 -.0087884 .0173745

\_cons | -.0061963 .007313 -0.85 0.399 -.0207469 .0083543

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.29

Model | .002956903 14 .000211207 Prob > F = 0.2305

Residual | .01323777 81 .000163429 R-squared = 0.1826

-------------+---------------------------------- Adj R-squared = 0.0413

Total | .016194673 95 .00017047 Root MSE = .01278

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3999035 .1079343 -3.71 0.000 -.6146588 -.1851481

|

lnemp1000 |

L2D. | .6739344 .4815558 1.40 0.165 -.2842106 1.632079

|

lnavg\_Week~r |

L2D. | -.302248 .152676 -1.98 0.051 -.6060254 .0015293

|

m2 | .0108239 .0078065 1.39 0.169 -.0047086 .0263565

m3 | .0188877 .0144496 1.31 0.195 -.0098625 .0476379

m4 | .0052603 .0065599 0.80 0.425 -.0077918 .0183124

m5 | -.0001629 .00691 -0.02 0.981 -.0139116 .0135858

m6 | .0055304 .0076384 0.72 0.471 -.0096676 .0207283

m7 | .0065818 .0073465 0.90 0.373 -.0080354 .021199

m8 | .0064613 .0081133 0.80 0.428 -.0096815 .0226042

m9 | .0101924 .0091471 1.11 0.268 -.0080074 .0283923

m10 | .0090927 .0076269 1.19 0.237 -.0060825 .0242679

m11 | .0067908 .0081273 0.84 0.406 -.00938 .0229616

m12 | .0043769 .0065636 0.67 0.507 -.0086826 .0174364

\_cons | -.0062687 .0072782 -0.86 0.392 -.02075 .0082126

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.29

Model | .002954692 14 .000211049 Prob > F = 0.2311

Residual | .013238876 81 .000163443 R-squared = 0.1825

-------------+---------------------------------- Adj R-squared = 0.0412

Total | .016193567 95 .000170459 Root MSE = .01278

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4002535 .1078672 -3.71 0.000 -.6148754 -.1856316

|

lnemp1000 |

L2D. | .6646661 .4775404 1.39 0.168 -.2854895 1.614822

|

lnavg\_Week~r |

L2D. | -.2978928 .1542229 -1.93 0.057 -.604748 .0089624

|

m2 | .0107258 .0077851 1.38 0.172 -.0047642 .0262157

m3 | .0186455 .0143552 1.30 0.198 -.0099168 .0472077

m4 | .0052159 .0065605 0.80 0.429 -.0078373 .0182692

m5 | -.0002182 .0069026 -0.03 0.975 -.0139523 .0135159

m6 | .00545 .0076168 0.72 0.476 -.009705 .020605

m7 | .0065223 .0073326 0.89 0.376 -.0080673 .021112

m8 | .0064024 .0082486 0.78 0.440 -.0100098 .0228145

m9 | .0100546 .0091067 1.10 0.273 -.0080649 .0281742

m10 | .0090245 .0076089 1.19 0.239 -.0061148 .0241639

m11 | .0067166 .008105 0.83 0.410 -.0094098 .022843

m12 | .0043325 .006564 0.66 0.511 -.0087278 .0173927

\_cons | -.0061544 .0072391 -0.85 0.398 -.0205579 .0082492

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.28

Model | .002934074 14 .000209577 Prob > F = 0.2379

Residual | .01325961 81 .000163699 R-squared = 0.1812

-------------+---------------------------------- Adj R-squared = 0.0397

Total | .016193684 95 .00017046 Root MSE = .01279

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3990877 .1079881 -3.70 0.000 -.6139501 -.1842252

|

lnemp1000 |

L2D. | .6578655 .4775321 1.38 0.172 -.2922735 1.608005

|

lnavg\_Week~r |

L2D. | -.2913968 .1534217 -1.90 0.061 -.5966578 .0138642

|

m2 | .0106438 .0077878 1.37 0.175 -.0048516 .0261391

m3 | .01847 .0143579 1.29 0.202 -.0100978 .0470379

m4 | .0051615 .006564 0.79 0.434 -.0078987 .0182217

m5 | -.0002668 .0069067 -0.04 0.969 -.014009 .0134754

m6 | .005404 .0076217 0.71 0.480 -.0097609 .0205688

m7 | .0064888 .0073378 0.88 0.379 -.0081111 .0210887

m8 | .006308 .0082509 0.76 0.447 -.0101087 .0227246

m9 | .0095318 .0090704 1.05 0.296 -.0085155 .0275791

m10 | .0089881 .0076142 1.18 0.241 -.0061618 .024138

m11 | .0066811 .0081108 0.82 0.413 -.0094569 .022819

m12 | .0042785 .0065675 0.65 0.517 -.0087888 .0173457

\_cons | -.0060712 .007241 -0.84 0.404 -.0204785 .0083362

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.24

Model | .002798844 14 .000199917 Prob > F = 0.2609

Residual | .013012791 81 .000160652 R-squared = 0.1770

-------------+---------------------------------- Adj R-squared = 0.0348

Total | .015811635 95 .000166438 Root MSE = .01267

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3930286 .1069635 -3.67 0.000 -.6058523 -.1802049

|

lnemp1000 |

L2D. | .6803982 .4731259 1.44 0.154 -.260974 1.62177

|

lnavg\_Week~r |

L2D. | -.2872378 .151955 -1.89 0.062 -.5895805 .015105

|

m2 | .0108355 .0077151 1.40 0.164 -.0045151 .0261861

m3 | .0190725 .0142247 1.34 0.184 -.0092302 .0473753

m4 | .0051696 .0065024 0.80 0.429 -.0077682 .0181074

m5 | -.000167 .0068419 -0.02 0.981 -.0137802 .0134462

m6 | .0056496 .0075523 0.75 0.457 -.0093771 .0206762

m7 | .006679 .0072698 0.92 0.361 -.0077857 .0211436

m8 | .0065231 .0081734 0.80 0.427 -.0097394 .0227856

m9 | .0098428 .0089866 1.10 0.277 -.0080378 .0277233

m10 | .0056626 .0074271 0.76 0.448 -.009115 .0204403

m11 | .0069492 .0080361 0.86 0.390 -.0090402 .0229385

m12 | .004289 .0065059 0.66 0.512 -.0086557 .0172338

\_cons | -.0063492 .0071744 -0.88 0.379 -.020624 .0079257

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.21

Model | .002718971 14 .000194212 Prob > F = 0.2834

Residual | .012982962 81 .000160283 R-squared = 0.1732

-------------+---------------------------------- Adj R-squared = 0.0303

Total | .015701933 95 .000165284 Root MSE = .01266

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3863585 .1079268 -3.58 0.001 -.6010989 -.171618

|

lnemp1000 |

L2D. | .6984739 .4697989 1.49 0.141 -.2362785 1.633226

|

lnavg\_Week~r |

L2D. | -.2852813 .1504322 -1.90 0.061 -.5845941 .0140316

|

m2 | .0109982 .0076879 1.43 0.156 -.0042984 .0262947

m3 | .0195485 .0141419 1.38 0.171 -.0085893 .0476864

m4 | .0051896 .006491 0.80 0.426 -.0077255 .0181047

m5 | -.000086 .0068261 -0.01 0.990 -.0136679 .0134958

m6 | .0058568 .0075386 0.78 0.439 -.0091426 .0208563

m7 | .0068261 .0072548 0.94 0.350 -.0076087 .021261

m8 | .0067008 .0081393 0.82 0.413 -.0094938 .0228953

m9 | .0101014 .0089501 1.13 0.262 -.0077065 .0279093

m10 | .0058277 .0074113 0.79 0.434 -.0089185 .0205739

m11 | .0080788 .0083167 0.97 0.334 -.0084689 .0246264

m12 | .0043103 .0064944 0.66 0.509 -.0086115 .0172322

\_cons | -.0065786 .007142 -0.92 0.360 -.020789 .0076318

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.19

Model | .00267574 14 .000191124 Prob > F = 0.2987

Residual | .013004361 81 .000160548 R-squared = 0.1706

-------------+---------------------------------- Adj R-squared = 0.0273

Total | .0156801 95 .000165054 Root MSE = .01267

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3849088 .1079482 -3.57 0.001 -.5996918 -.1701258

|

lnemp1000 |

L2D. | .7054641 .5210749 1.35 0.180 -.3313115 1.74224

|

lnavg\_Week~r |

L2D. | -.2825308 .1586112 -1.78 0.079 -.5981174 .0330558

|

m2 | .0110512 .0079889 1.38 0.170 -.0048441 .0269465

m3 | .0197393 .0153715 1.28 0.203 -.0108453 .0503238

m4 | .0051805 .0065289 0.79 0.430 -.0078099 .0181709

m5 | -.0000576 .0069434 -0.01 0.993 -.0138729 .0137577

m6 | .0059319 .0077909 0.76 0.449 -.0095695 .0214333

m7 | .0068901 .00744 0.93 0.357 -.0079132 .0216934

m8 | .006762 .0085204 0.79 0.430 -.0101909 .023715

m9 | .0101933 .0094706 1.08 0.285 -.0086501 .0290368

m10 | .0058977 .007627 0.77 0.442 -.0092776 .021073

m11 | .0081829 .0086764 0.94 0.348 -.0090804 .0254462

m12 | .0035686 .0063705 0.56 0.577 -.0091067 .0162439

\_cons | -.0066622 .0076374 -0.87 0.386 -.0218582 .0085339

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.19

Model | .002745634 14 .000196117 Prob > F = 0.2991

Residual | .013350376 81 .000164819 R-squared = 0.1706

-------------+---------------------------------- Adj R-squared = 0.0272

Total | .01609601 95 .000169432 Root MSE = .01284

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3807906 .1100707 -3.46 0.001 -.5997967 -.1617844

|

lnemp1000 |

L2D. | .7412614 .5299867 1.40 0.166 -.3132458 1.795769

|

lnavg\_Week~r |

L2D. | -.2783919 .1645068 -1.69 0.094 -.605709 .0489251

|

m2 | .0139161 .0079462 1.75 0.084 -.0018943 .0297265

m3 | .0232678 .0153887 1.51 0.134 -.007351 .0538865

m4 | .0077631 .0065453 1.19 0.239 -.00526 .0207863

m5 | .0026726 .006933 0.39 0.701 -.0111219 .0164672

m6 | .0088449 .0077715 1.14 0.258 -.006618 .0243078

m7 | .0097484 .007428 1.31 0.193 -.0050309 .0245277

m8 | .0096749 .0084719 1.14 0.257 -.0071815 .0265312

m9 | .0132346 .0094257 1.40 0.164 -.0055197 .0319888

m10 | .008784 .0076102 1.15 0.252 -.0063579 .0239259

m11 | .011214 .0086505 1.30 0.199 -.0059979 .0284258

m12 | .0061194 .0064283 0.95 0.344 -.0066709 .0189097

\_cons | -.0096523 .0075523 -1.28 0.205 -.024679 .0053743

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.57

Model | .003629907 14 .000259279 Prob > F = 0.1056

Residual | .013369096 81 .000165051 R-squared = 0.2135

-------------+---------------------------------- Adj R-squared = 0.0776

Total | .016999003 95 .000178937 Root MSE = .01285

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3980335 .1091139 -3.65 0.000 -.6151359 -.180931

|

lnemp1000 |

L2D. | .7228177 .5299145 1.36 0.176 -.3315461 1.777181

|

lnavg\_Week~r |

L2D. | -.2889002 .1646757 -1.75 0.083 -.6165533 .0387528

|

m2 | .019058 .0080451 2.37 0.020 .0030507 .0350652

m3 | .0227699 .0153889 1.48 0.143 -.0078492 .053389

m4 | .007763 .0065499 1.19 0.239 -.0052693 .0207952

m5 | .0025933 .0069372 0.37 0.710 -.0112096 .0163962

m6 | .0085322 .0077707 1.10 0.275 -.0069291 .0239934

m7 | .0095517 .0074306 1.29 0.202 -.0052329 .0243363

m8 | .0095025 .0084751 1.12 0.266 -.0073603 .0263652

m9 | .0129278 .009426 1.37 0.174 -.005827 .0316827

m10 | .0085604 .0076123 1.12 0.264 -.0065856 .0237064

m11 | .0108809 .0086504 1.26 0.212 -.0063307 .0280926

m12 | .00613 .0064328 0.95 0.343 -.0066692 .0189293

\_cons | -.0093737 .0075513 -1.24 0.218 -.0243984 .005651

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.67

Model | .003842456 14 .000274461 Prob > F = 0.0794

Residual | .013342573 81 .000164723 R-squared = 0.2236

-------------+---------------------------------- Adj R-squared = 0.0894

Total | .017185029 95 .000180895 Root MSE = .01283

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4119606 .1086058 -3.79 0.000 -.6280521 -.1958691

|

lnemp1000 |

L2D. | .7200183 .5287047 1.36 0.177 -.3319381 1.771975

|

lnavg\_Week~r |

L2D. | -.2927361 .164727 -1.78 0.079 -.6204912 .0350191

|

m2 | .0189616 .0080285 2.36 0.021 .0029875 .0349358

m3 | .0231546 .0153232 1.51 0.135 -.0073338 .053643

m4 | .0077493 .0065429 1.18 0.240 -.0052691 .0207677

m5 | .002587 .0069294 0.37 0.710 -.0112002 .0163743

m6 | .0083989 .0077534 1.08 0.282 -.0070279 .0238257

m7 | .0095105 .0074201 1.28 0.204 -.0052532 .0242741

m8 | .0094757 .0084621 1.12 0.266 -.0073612 .0263125

m9 | .0128365 .0094058 1.36 0.176 -.0058781 .0315512

m10 | .0085057 .0076005 1.12 0.266 -.0066168 .0236283

m11 | .0107947 .0086338 1.25 0.215 -.0063838 .0279732

m12 | .0061275 .0064264 0.95 0.343 -.006659 .018914

\_cons | -.0092923 .0075334 -1.23 0.221 -.0242815 .0056968

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.65

Model | .003935147 14 .000281082 Prob > F = 0.0824

Residual | .013766422 81 .000169956 R-squared = 0.2223

-------------+---------------------------------- Adj R-squared = 0.0879

Total | .017701568 95 .000186332 Root MSE = .01304

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.4196237 .1102106 -3.81 0.000 -.6389083 -.2003391

|

lnemp1000 |

L2D. | .5631048 .530563 1.06 0.292 -.4925491 1.618759

|

lnavg\_Week~r |

L2D. | -.242904 .1674724 -1.45 0.151 -.5761215 .0903135

|

m2 | .0174095 .0081149 2.15 0.035 .0012634 .0335555

m3 | .0192331 .0154223 1.25 0.216 -.0114524 .0499186

m4 | .0089065 .006746 1.32 0.190 -.0045159 .022329

m5 | .0018112 .0070267 0.26 0.797 -.0121699 .0157922

m6 | .0071112 .0078427 0.91 0.367 -.0084932 .0227157

m7 | .008537 .0075163 1.14 0.259 -.0064181 .0234922

m8 | .0077884 .0085509 0.91 0.365 -.0092252 .0248019

m9 | .0107395 .0094888 1.13 0.261 -.0081402 .0296192

m10 | .0074187 .0076953 0.96 0.338 -.0078926 .02273

m11 | .0092684 .008726 1.06 0.291 -.0080935 .0266304

m12 | .0060148 .0065277 0.92 0.360 -.0069732 .0190028

\_cons | -.0074855 .0075904 -0.99 0.327 -.022588 .0076169

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.34

Model | .003297541 14 .000235539 Prob > F = 0.2031

Residual | .014238223 81 .000175781 R-squared = 0.1880

-------------+---------------------------------- Adj R-squared = 0.0477

Total | .017535764 95 .000184587 Root MSE = .01326

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3732184 .1095939 -3.41 0.001 -.5912758 -.1551609

|

lnemp1000 |

L2D. | .1849158 .4877555 0.38 0.706 -.7855647 1.155396

|

lnavg\_Week~r |

L2D. | -.182474 .1663485 -1.10 0.276 -.5134553 .1485073

|

m2 | .0141951 .0080174 1.77 0.080 -.001757 .0301471

m3 | .0089974 .0143864 0.63 0.533 -.0196271 .0376218

m4 | .0081242 .0068441 1.19 0.239 -.0054934 .0217417

m5 | .0032129 .0074489 0.43 0.667 -.0116081 .0180339

m6 | .0042936 .0077905 0.55 0.583 -.0112071 .0197943

m7 | .0058931 .0074722 0.79 0.433 -.0089742 .0207604

m8 | .0038732 .0083616 0.46 0.644 -.0127639 .0205102

m9 | .0059663 .009201 0.65 0.519 -.0123407 .0242733

m10 | .0045538 .0076288 0.60 0.552 -.0106252 .0197327

m11 | .0052309 .0085265 0.61 0.541 -.0117341 .0221959

m12 | .0059322 .0066384 0.89 0.374 -.0072761 .0191405

\_cons | -.0033003 .0072857 -0.45 0.652 -.0177965 .0111959

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.46

Model | .003579691 14 .000255692 Prob > F = 0.1463

Residual | .014201162 81 .000175323 R-squared = 0.2013

-------------+---------------------------------- Adj R-squared = 0.0633

Total | .017780853 95 .000187167 Root MSE = .01324

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3750109 .1093229 -3.43 0.001 -.5925292 -.1574927

|

lnemp1000 |

L2D. | .0874856 .0787903 1.11 0.270 -.0692824 .2442536

|

lnavg\_Week~r |

L2D. | -.1656385 .1444488 -1.15 0.255 -.4530463 .1217694

|

m2 | .0132836 .0066958 1.98 0.051 -.0000389 .0266062

m3 | .0064817 .0069661 0.93 0.355 -.0073787 .020342

m4 | .0078545 .0067204 1.17 0.246 -.005517 .0212261

m5 | .002543 .0066453 0.38 0.703 -.010679 .0157651

m6 | .0044134 .0070855 0.62 0.535 -.0096846 .0185114

m7 | .0052181 .0066757 0.78 0.437 -.0080644 .0185006

m8 | .0028557 .0066808 0.43 0.670 -.0104371 .0161484

m9 | .0046809 .0067172 0.70 0.488 -.0086843 .0180461

m10 | .0038105 .0066837 0.57 0.570 -.009488 .0171091

m11 | .0041784 .0067647 0.62 0.539 -.0092812 .0176379

m12 | .0058968 .0066279 0.89 0.376 -.0072906 .0190842

\_cons | -.0021776 .0047854 -0.46 0.650 -.011699 .0073437

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.45

Model | .003527923 14 .000251995 Prob > F = 0.1518

Residual | .014122397 81 .000174351 R-squared = 0.1999

-------------+---------------------------------- Adj R-squared = 0.0616

Total | .01765032 95 .000185793 Root MSE = .0132

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3684648 .108886 -3.38 0.001 -.5851138 -.1518159

|

lnemp1000 |

L2D. | .0906716 .0750435 1.21 0.230 -.0586415 .2399847

|

lnavg\_Week~r |

L2D. | -.1572141 .1428772 -1.10 0.274 -.4414949 .1270666

|

m2 | .013329 .0066694 2.00 0.049 .0000589 .026599

m3 | .0065445 .0069327 0.94 0.348 -.0072494 .0203384

m4 | .0078173 .006697 1.17 0.247 -.0055076 .0211423

m5 | .0025615 .0066258 0.39 0.700 -.0106218 .0157448

m6 | .0045814 .0070368 0.65 0.517 -.0094197 .0185825

m7 | .0038041 .0066852 0.57 0.571 -.0094974 .0171056

m8 | .0028736 .006656 0.43 0.667 -.0103698 .0161169

m9 | .004746 .0066895 0.71 0.480 -.0085639 .018056

m10 | .0038853 .0066654 0.58 0.562 -.0093767 .0171473

m11 | .004293 .0067467 0.64 0.526 -.0091308 .0177169

m12 | .0058828 .0066092 0.89 0.376 -.0072675 .0190331

\_cons | -.0022425 .0047639 -0.47 0.639 -.0117212 .0072361

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.45

Model | .003586481 14 .000256177 Prob > F = 0.1512

Residual | .014343424 81 .000177079 R-squared = 0.2000

-------------+---------------------------------- Adj R-squared = 0.0618

Total | .017929906 95 .000188736 Root MSE = .01331

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.366968 .110288 -3.33 0.001 -.5864065 -.1475295

|

lnemp1000 |

L2D. | .108403 .0743531 1.46 0.149 -.0395363 .2563423

|

lnavg\_Week~r |

L2D. | -.1718585 .1434002 -1.20 0.234 -.45718 .113463

|

m2 | .0135304 .0067202 2.01 0.047 .0001593 .0269016

m3 | .0069467 .0069785 1.00 0.322 -.0069382 .0208317

m4 | .0079658 .0067481 1.18 0.241 -.0054607 .0213924

m5 | .0026675 .0066769 0.40 0.691 -.0106174 .0159524

m6 | .0050722 .0070844 0.72 0.476 -.0090235 .019168

m7 | .0040295 .0067355 0.60 0.551 -.0093721 .017431

m8 | .0065713 .0066737 0.98 0.328 -.0067072 .0198498

m9 | .0049885 .0067397 0.74 0.461 -.0084213 .0183984

m10 | .0039635 .0067175 0.59 0.557 -.0094022 .0173291

m11 | .0043965 .0067998 0.65 0.520 -.009133 .0179259

m12 | .0059166 .0066607 0.89 0.377 -.0073361 .0191693

\_cons | -.002442 .0047994 -0.51 0.612 -.0119913 .0071073

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.57

Model | .003868521 14 .000276323 Prob > F = 0.1058

Residual | .014252441 81 .000175956 R-squared = 0.2135

-------------+---------------------------------- Adj R-squared = 0.0775

Total | .018120962 95 .000190747 Root MSE = .01326

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3769376 .1082544 -3.48 0.001 -.5923299 -.1615453

|

lnemp1000 |

L2D. | .0995761 .073385 1.36 0.179 -.0464371 .2455892

|

lnavg\_Week~r |

L2D. | -.1909747 .1427733 -1.34 0.185 -.4750488 .0930995

|

m2 | .013442 .0066967 2.01 0.048 .0001177 .0267663

m3 | .0067203 .0069553 0.97 0.337 -.0071185 .0205591

m4 | .0080687 .0067273 1.20 0.234 -.0053165 .021454

m5 | .0026039 .0066556 0.39 0.697 -.0106386 .0158464

m6 | .0046634 .0070465 0.66 0.510 -.0093568 .0186836

m7 | .0038643 .0067114 0.58 0.566 -.0094892 .0172178

m8 | .0065068 .0066517 0.98 0.331 -.006728 .0197416

m9 | .0008321 .0066677 0.12 0.901 -.0124345 .0140987

m10 | .0037843 .0066943 0.57 0.573 -.0095352 .0171039

m11 | .0041248 .006774 0.61 0.544 -.0093533 .017603

m12 | .0059523 .0066396 0.90 0.373 -.0072584 .019163

\_cons | -.0022924 .0047802 -0.48 0.633 -.0118035 .0072187

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.54

Model | .003757936 14 .000268424 Prob > F = 0.1144

Residual | .014083134 81 .000173866 R-squared = 0.2106

-------------+---------------------------------- Adj R-squared = 0.0742

Total | .01784107 95 .000187801 Root MSE = .01319

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.361151 .1074955 -3.36 0.001 -.5750333 -.1472687

|

lnemp1000 |

L2D. | .0991223 .0729137 1.36 0.178 -.0459531 .2441977

|

lnavg\_Week~r |

L2D. | -.2060739 .1423421 -1.45 0.152 -.48929 .0771423

|

m2 | .0135676 .0066572 2.04 0.045 .0003218 .0268133

m3 | .0065151 .0069126 0.94 0.349 -.0072389 .020269

m4 | .0082577 .0066882 1.23 0.221 -.0050497 .0215651

m5 | .0025496 .0066158 0.39 0.701 -.0106138 .015713

m6 | .0046504 .0070043 0.66 0.509 -.009286 .0185869

m7 | .0038631 .0066714 0.58 0.564 -.0094108 .017137

m8 | .0065517 .0066121 0.99 0.325 -.0066044 .0197078

m9 | .0008082 .0066279 0.12 0.903 -.0123792 .0139956

m10 | .0051887 .0066556 0.78 0.438 -.0080538 .0184313

m11 | .0040275 .0067338 0.60 0.551 -.0093708 .0174257

m12 | .0059996 .0066001 0.91 0.366 -.0071325 .0191317

\_cons | -.0023279 .0047518 -0.49 0.626 -.0117825 .0071267

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.50

Model | .003648169 14 .000260583 Prob > F = 0.1291

Residual | .014052659 81 .00017349 R-squared = 0.2061

-------------+---------------------------------- Adj R-squared = 0.0689

Total | .017700828 95 .000186325 Root MSE = .01317

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3489122 .1079716 -3.23 0.002 -.5637419 -.1340825

|

lnemp1000 |

L2D. | .1010502 .0728074 1.39 0.169 -.0438137 .245914

|

lnavg\_Week~r |

L2D. | -.2266313 .1427087 -1.59 0.116 -.5105769 .0573143

|

m2 | .013707 .0066506 2.06 0.043 .0004743 .0269397

m3 | .0063818 .0069067 0.92 0.358 -.0073604 .020124

m4 | .0084794 .0066826 1.27 0.208 -.0048169 .0217757

m5 | .0025135 .0066088 0.38 0.705 -.0106359 .0156629

m6 | .0046702 .0069967 0.67 0.506 -.009251 .0185914

m7 | .0038809 .0066641 0.58 0.562 -.0093786 .0171404

m8 | .0066053 .0066051 1.00 0.320 -.0065367 .0197473

m9 | .0008076 .0066207 0.12 0.903 -.0123655 .0139807

m10 | .0052408 .0066485 0.79 0.433 -.0079877 .0184694

m11 | .0037043 .0067706 0.55 0.586 -.009767 .0171756

m12 | .0060564 .006593 0.92 0.361 -.0070617 .0191744

\_cons | -.0023753 .0047467 -0.50 0.618 -.0118197 .0070692

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.55

Model | .003719111 14 .000265651 Prob > F = 0.1125

Residual | .013888069 81 .000171458 R-squared = 0.2112

-------------+---------------------------------- Adj R-squared = 0.0749

Total | .01760718 95 .000185339 Root MSE = .01309

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3581802 .1073018 -3.34 0.001 -.5716771 -.1446833

|

lnemp1000 |

L2D. | .0996659 .0723914 1.38 0.172 -.0443703 .2437021

|

lnavg\_Week~r |

L2D. | -.2126542 .1423907 -1.49 0.139 -.495967 .0706587

|

m2 | .013606 .0066123 2.06 0.043 .0004496 .0267624

m3 | .0064785 .0068665 0.94 0.348 -.0071837 .0201407

m4 | .0083246 .0066452 1.25 0.214 -.0048973 .0215465

m5 | .0025395 .00657 0.39 0.700 -.0105327 .0156118

m6 | .0046502 .0069553 0.67 0.506 -.0091888 .0184891

m7 | .0038662 .006625 0.58 0.561 -.0093154 .0170478

m8 | .0065661 .0065664 1.00 0.320 -.0064989 .0196311

m9 | .0008081 .0065818 0.12 0.903 -.0122876 .0139039

m10 | .005199 .0066093 0.79 0.434 -.0079513 .0183494

m11 | .0038432 .006732 0.57 0.570 -.0095515 .0172379

m12 | .0044847 .0065707 0.68 0.497 -.008589 .0175584

\_cons | -.0023391 .0047189 -0.50 0.621 -.0117281 .0070499

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

Source | SS df MS Number of obs = 96

-------------+---------------------------------- F(14, 81) = 1.44

Model | .003492539 14 .000249467 Prob > F = 0.1522

Residual | .013989079 81 .000172705 R-squared = 0.1998

-------------+---------------------------------- Adj R-squared = 0.0615

Total | .017481618 95 .000184017 Root MSE = .01314

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3546329 .1080765 -3.28 0.002 -.5696712 -.1395946

|

lnemp1000 |

L2D. | .0978427 .0726246 1.35 0.182 -.0466574 .2423428

|

lnavg\_Week~r |

L2D. | -.2059396 .1430292 -1.44 0.154 -.4905228 .0786436

|

m2 | .0108964 .0066184 1.65 0.104 -.0022722 .024065

m3 | .0037288 .0068983 0.54 0.590 -.0099967 .0174543

m4 | .0055848 .0066666 0.84 0.405 -.0076797 .0188492

m5 | -.0001708 .0065973 -0.03 0.979 -.0132975 .0129558

m6 | .0019431 .0069473 0.28 0.780 -.0118799 .0157661

m7 | .001159 .0066366 0.17 0.862 -.0120458 .0143638

m8 | .0038624 .0065825 0.59 0.559 -.0092347 .0169595

m9 | -.0019071 .0066048 -0.29 0.774 -.0150485 .0112343

m10 | .0025229 .0066117 0.38 0.704 -.0106324 .0156781

m11 | .0011882 .0067459 0.18 0.861 -.012234 .0146103

m12 | .0017648 .0065969 0.27 0.790 -.011361 .0148907

\_cons | .0003628 .0047147 0.08 0.939 -.0090179 .0097436

------------------------------------------------------------------------------

(0 real changes made)

(option xb assumed; fitted values)

(207 missing values generated)

(1 real change made)

.

. gen res=d.lnemp1000-pred

variable res already defined

r(110);

.

. gen errsq=res^2

variable errsq already defined

r(110);

.

. summ errsq

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

errsq | 71 .003911 .0231299 4.21e-09 .1884714

.

. scalar RWrmse96=r(mean)^.5

.

. summ nobs

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

nobs | 71 96 0 96 96

.

. scalar RWminobs96=r(min)

.

. scalar RWmaxobs96=r(max)

.

.

.

. scalar list

RWmaxobs96 = 96

RWminobs96 = 96

RWrmse96 = .06253767

.

. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

.

. \*Forecast from selected model for dlnavg\_WeekDolla

.

.

.

. reg d.lnavg\_WeekDolla ld.lnavg\_WeekDolla l(2)d.lnemp1000 l(2)d.lnavg\_WeekHour

> m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12 if tin(2017m1,2021m2)

Source | SS df MS Number of obs = 50

-------------+---------------------------------- F(14, 35) = 1.18

Model | .003550038 14 .000253574 Prob > F = 0.3340

Residual | .007539512 35 .000215415 R-squared = 0.3201

-------------+---------------------------------- Adj R-squared = 0.0482

Total | .011089551 49 .000226317 Root MSE = .01468

------------------------------------------------------------------------------

D. |

lnavg\_Week~a | Coef. Std. Err. t P>|t| [95% Conf. Interval]

-------------+----------------------------------------------------------------

lnavg\_Week~a |

LD. | -.3619907 .1673567 -2.16 0.037 -.701743 -.0222385

|

lnemp1000 |

L2D. | .1164856 .0891549 1.31 0.200 -.0645084 .2974796

|

lnavg\_Week~r |

L2D. | -.1593282 .2123744 -0.75 0.458 -.5904712 .2718149

|

m2 | .0088263 .0094059 0.94 0.354 -.0102686 .0279212

m3 | .0040121 .0102423 0.39 0.698 -.0167809 .024805

m4 | .0123122 .0099976 1.23 0.226 -.007984 .0326083

m5 | -.0032114 .0100966 -0.32 0.752 -.0237087 .0172858

m6 | .0002329 .0109857 0.02 0.983 -.0220692 .0225351

m7 | .0031586 .0100018 0.32 0.754 -.0171461 .0234633

m8 | .001278 .0099175 0.13 0.898 -.0188556 .0214115

m9 | -.0104901 .0098834 -1.06 0.296 -.0305546 .0095743

m10 | .0045974 .0100682 0.46 0.651 -.0158422 .025037

m11 | -.0038309 .0103791 -0.37 0.714 -.0249015 .0172398

m12 | -.0007654 .0103372 -0.07 0.941 -.021751 .0202203

\_cons | .0039654 .0066355 0.60 0.554 -.0095053 .0174361

------------------------------------------------------------------------------

.

. predict temp if date==tm(2021m3)

variable temp already defined

r(110);

.

. replace pred=temp if date==tm(2021m3)

(0 real changes made)

.

.

.

. \*Empirical forecast and interval for dlnavg\_WeekDolla

.

. gen expres=exp(res)

variable expres already defined

r(110);

.

. summ expres

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

expres | 71 1.007144 .0740928 .8345599 1.543624

.

. gen epy=exp(l.lnavg\_WeekDolla+pred)\*r(mean)

variable epy already defined

r(110);

.

. \_pctile res, percentiles(2.5,97.5)

.

.

.

. gen eub=epy\*exp(r(r2))

variable eub already defined

r(110);

.

. gen elb=epy\*exp(r(r1))

variable elb already defined

r(110);

.

. twoway (scatter avg\_weekly\_dollar date if tin(2017m1,2021m2) , m(Oh) ) (tslin

> e epy eub elb if tin(2017m1,2021m3) , lpattern(solid dash dash) lcolor(black

> gs10 gs10) ) , saving(ps5\_fcst, replace) scheme(s1mono) ylabel(,grid) xtitle(

> "") legend(label(1 " Average Weekly Earnings") label(2 "Forecast") label(3 "9

> 5% Upper Bound") label(4 "95% Lower Bound") ) title(" Average Weekly Earning

> s" "One Month Ahead Emprical Forecast")

(file ps5\_fcst.gph saved)

.

.

.

. graph export ps5empfcst.emf, replace

(file C:\Users\Jing Jing\Desktop\Orlando Time Series Project\ps5empfcst.emf wri

> tten in Enhanced Metafile format)

.

.

.

. list epy eub elb if date==tm(2021m3)

+--------------------------------+

| epy eub elb |

|--------------------------------|

375. | 1047.894 1287.049 936.7554 |

+--------------------------------+

.

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.

.

.

.

.

. \*Normal forecast and interval for dlnavg\_WeekDolla

.

. \* 2 sigma interval

.

. gen npy=exp(l.lnavg\_WeekDolla+pred+(RWrmse96^2)/2)

variable npy already defined

r(110);

.

. gen nub=npy\*exp(2\*RWrmse96)

variable nub already defined

r(110);

.

. gen nlb=npy/exp(2\*RWrmse96)

variable nlb already defined

r(110);

.

.

.

.

.

.

.

.

.

. twoway (scatter avg\_weekly\_dollar date if tin(2017m1,2021m2) , m(Oh) ) (tslin

> e npy nub nlb if tin(2017m1,2021m3) , lpattern(solid dash dash) lcolor(black

> gs10 gs10) ) , saving(ps5\_fcst, replace) scheme(s1mono) ylabel(,grid) xtitle(

> "") legend(label(1 " Average Weekly Earnings") label(2 "Forecast") label(3 "9

> 5% Upper Bound") label(4 "95% Lower Bound") ) title(" Average Weekly Earnings

> " "One Month Ahead Normal Forecast") note("1) All forecasts are out of sample

> based on a 96 month rolling window." "2) Inteval based on percentiles +-1.95

> RMMSE from the rolling window procedure." "3) Predictors are lags 3, 4, 12,

> 24 of private employment and lag 4 of the US emp:pop ratio." )

(file ps5\_fcst.gph saved)

.

.

.

. graph export ps5normfcst.emf, replace

(file C:\Users\Jing Jing\Desktop\Orlando Time Series Project\ps5normfcst.emf wr

> itten in Enhanced Metafile format)

.

.

.

. list npy nub nlb if date==tm(2021m3)

+--------------------------------+

| npy nub nlb |

|--------------------------------|

375. | 1042.497 1181.393 919.9315 |

+--------------------------------+

.

.

.

.

.

. hist res, frac normal scheme(s1mono) title(" Average Weekly Earnings Empiric

> al Forecast Error Distribution") xtitle("") note("Private Employment for Marc

> h For 96 month rolling window forecasts.")

(bin=8, start=-.18085083, width=.07687297)

.

. graph export ps5errdist.emf , replace

(file C:\Users\Jing Jing\Desktop\Orlando Time Series Project\ps5errdist.emf wri

> tten in Enhanced Metafile format)

.

.

.

. summ res

Variable | Obs Mean Std. Dev. Min Max

-------------+---------------------------------------------------------

res | 71 .0049691 .0627836 -.1808508 .434133

.

. gen nres=(res-r(mean))/r(sd)

variable nres already defined

r(110);

.

.

.

. qnorm nres, scheme(s1mono) title(" Average Weekly Earnings Quantile-Normal P

> lot of Forecast Error") xtitle("Inverse Standard Normal of Residual Percentil

> e") ytitle("Residual Z-Score") xlabel(-6(2)4,grid) ylabel(-6(2)4,grid) note("

> Private Employment for March For 96 month rolling window forecasts.")

.

. graph export ps5qnorm.emf , replace

(file C:\Users\Jing Jing\Desktop\Orlando Time Series Project\ps5qnorm.emf writt

> en in Enhanced Metafile format)

. log close

name: <unnamed>

log: C:\Users\Jing Jing\Desktop\Orlando Time Series Project\Hasegawa Or

> lando Project.smcl

log type: smcl

closed on: 30 Apr 2021, 14:47:12

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