

**Stata Textbook Examples****Introductory Econometrics: A Modern Approach by Jeffrey M. Wooldridge (1st & 2nd eds.)****Chapter 10 - Basic Regression Analysis with Time Series Data****Example 10.1: Static Phillips Curve**

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/PHILLIPS
```

```
reg inf unem
```

| Source   | SS         | df | MS         | Number of obs = | 49     |
|----------|------------|----|------------|-----------------|--------|
| Model    | 25.6369575 | 1  | 25.6369575 | F( 1, 47) =     | 2.62   |
| Residual | 460.61979  | 47 | 9.80042107 | Prob > F =      | 0.1125 |
|          |            |    |            | R-squared =     | 0.0527 |
|          |            |    |            | Adj R-squared = | 0.0326 |
| Total    | 486.256748 | 48 | 10.1303489 | Root MSE =      | 3.1306 |

  

| inf   | Coef.    | Std. Err. | t    | P> t  | [95% Conf. Interval] |          |
|-------|----------|-----------|------|-------|----------------------|----------|
| unem  | .4676257 | .2891262  | 1.62 | 0.112 | -.1140212            | 1.049273 |
| _cons | 1.42361  | 1.719015  | 0.83 | 0.412 | -2.034602            | 4.881822 |

**Example 10.2: Effects of Inflation and Deficits on Interest Rates**

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/INTDEF
```

```
reg i3 inf def
```

| Source   | SS         | df | MS         | Number of obs = | 49     |
|----------|------------|----|------------|-----------------|--------|
| Model    | 294.032897 | 2  | 147.016449 | F( 2, 46) =     | 52.78  |
| Residual | 128.133943 | 46 | 2.78552049 | Prob > F =      | 0.0000 |
|          |            |    |            | R-squared =     | 0.6965 |
|          |            |    |            | Adj R-squared = | 0.6833 |
| Total    | 422.16684  | 48 | 8.7951425  | Root MSE =      | 1.669  |

  

| i3    | Coef.    | Std. Err. | t    | P> t  | [95% Conf. Interval] |          |
|-------|----------|-----------|------|-------|----------------------|----------|
| inf   | .6131825 | .0757753  | 8.09 | 0.000 | .4606547             | .7657104 |
| def   | .7004054 | .11807    | 5.93 | 0.000 | .4627427             | .938068  |
| _cons | 1.252032 | .4416346  | 2.83 | 0.007 | .3630674             | 2.140996 |

**Example 10.3: Puerto Rican Employment and the Minimum Wage**

use <http://fmwww.bc.edu/ec-p/data/wooldridge/PRMINWGE>

reg lprepop lmincov lusgnp

| Source   | SS         | df | MS         | Number of obs = 38 |   |        |
|----------|------------|----|------------|--------------------|---|--------|
| Model    | .211258194 | 2  | .105629097 | F( 2, 35)          | = | 34.04  |
| Residual | .108600157 | 35 | .003102862 | Prob > F           | = | 0.0000 |
|          |            |    |            | R-squared          | = | 0.6605 |
|          |            |    |            | Adj R-squared      | = | 0.6411 |
| Total    | .319858351 | 37 | .00864482  | Root MSE           | = | .0557  |

  

| lprepop | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|---------|-----------|-----------|-------|-------|----------------------|-----------|
| lmincov | -.1544433 | .0649015  | -2.38 | 0.023 | -.2862003            | -.0226863 |
| lusgnp  | -.0121899 | .0885134  | -0.14 | 0.891 | -.1918817            | .1675019  |
| _cons   | -1.054413 | .7654066  | -1.38 | 0.177 | -2.608271            | .4994452  |

### Example 10.4: Effects of Personal Exemption on Fertility Rates

use <http://fmwww.bc.edu/ec-p/data/wooldridge/FERTIL3>

summ pe

| Variable | Obs | Mean     | Std. Dev. | Min | Max    |
|----------|-----|----------|-----------|-----|--------|
| pe       | 72  | 100.4015 | 65.87563  | 0   | 243.83 |

reg gfr pe ww2 pill

| Source   | SS         | df | MS         | Number of obs = 72 |   |        |
|----------|------------|----|------------|--------------------|---|--------|
| Model    | 13183.6215 | 3  | 4394.54049 | F( 3, 68)          | = | 20.38  |
| Residual | 14664.2739 | 68 | 215.651087 | Prob > F           | = | 0.0000 |
|          |            |    |            | R-squared          | = | 0.4734 |
|          |            |    |            | Adj R-squared      | = | 0.4502 |
| Total    | 27847.8954 | 71 | 392.223879 | Root MSE           | = | 14.685 |

  

| gfr   | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|-------|-----------|-----------|-------|-------|----------------------|-----------|
| pe    | .08254    | .0296462  | 2.78  | 0.007 | .0233819             | .1416981  |
| ww2   | -24.2384  | 7.458253  | -3.25 | 0.002 | -39.12111            | -9.355684 |
| pill  | -31.59403 | 4.081068  | -7.74 | 0.000 | -39.73768            | -23.45039 |
| _cons | 98.68176  | 3.208129  | 30.76 | 0.000 | 92.28003             | 105.0835  |

```
reg gfr pe ww2 pill pe_1 pe_2
```

| Source   | SS         | df | MS         | Number of obs = 70 |   |        |  |
|----------|------------|----|------------|--------------------|---|--------|--|
| Model    | 12959.7886 | 5  | 2591.95772 | F( 5, 64)          | = | 12.73  |  |
| Residual | 13032.6443 | 64 | 203.635067 | Prob > F           | = | 0.0000 |  |
|          |            |    |            | R-squared          | = | 0.4986 |  |
|          |            |    |            | Adj R-squared      | = | 0.4594 |  |
| Total    | 25992.4329 | 69 | 376.701926 | Root MSE           | = | 14.27  |  |

  

| gfr   | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|-------|-----------|-----------|-------|-------|----------------------|-----------|
| pe    | .0726718  | .1255331  | 0.58  | 0.565 | -.1781094            | .323453   |
| ww2   | -22.1265  | 10.73197  | -2.06 | 0.043 | -43.56608            | -.6869198 |
| pill  | -31.30499 | 3.981559  | -7.86 | 0.000 | -39.25907            | -23.35091 |
| pe_1  | -.0057796 | .1556629  | -0.04 | 0.970 | -.316752             | .3051929  |
| pe_2  | .0338268  | .1262574  | 0.27  | 0.790 | -.2184013            | .286055   |
| _cons | 95.8705   | 3.281957  | 29.21 | 0.000 | 89.31403             | 102.427   |

```
test pe_1 pe_2
```

```
( 1) pe_1 = 0.0
```

```
( 2) pe_2 = 0.0
```

```
F( 2, 64) = 0.05
Prob > F = 0.9480
```

### Estimated LRP

```
display _b[pe]+_b[pe_1]+_b[pe_2]
.10071909
```

```
gen dif1=pe_1-pe
```

```
gen dif2=pe_2-pe
```

```
reg gfr pe dif1 dif2 ww2 pill
```

| Source   | SS         | df | MS         | Number of obs = 70 |   |        |  |
|----------|------------|----|------------|--------------------|---|--------|--|
| Model    | 12959.7886 | 5  | 2591.95772 | F( 5, 64)          | = | 12.73  |  |
| Residual | 13032.6443 | 64 | 203.635067 | Prob > F           | = | 0.0000 |  |
|          |            |    |            | R-squared          | = | 0.4986 |  |
|          |            |    |            | Adj R-squared      | = | 0.4594 |  |
| Total    | 25992.4329 | 69 | 376.701926 | Root MSE           | = | 14.27  |  |

  

| gfr | Coef.    | Std. Err. | t    | P> t  | [95% Conf. Interval] |          |
|-----|----------|-----------|------|-------|----------------------|----------|
| pe  | .1007191 | .0298027  | 3.38 | 0.001 | .0411814             | .1602568 |

|       |  |           |          |       |       |           |           |
|-------|--|-----------|----------|-------|-------|-----------|-----------|
| dif1  |  | -.0057796 | .1556629 | -0.04 | 0.970 | -.316752  | .3051929  |
| dif2  |  | .0338268  | .1262574 | 0.27  | 0.790 | -.2184013 | .286055   |
| ww2   |  | -22.1265  | 10.73197 | -2.06 | 0.043 | -43.56608 | -.6869198 |
| pill  |  | -31.30499 | 3.981559 | -7.86 | 0.000 | -39.25907 | -23.35091 |
| _cons |  | 95.8705   | 3.281957 | 29.21 | 0.000 | 89.31403  | 102.427   |

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### Example 10.5: Antidumping Filings and Chemical Import

use <http://fmwww.bc.edu/ec-p/data/wooldridge/BARIUM>

reg lchnimp lchempi lgas lrtwex befile6 affile6 afdec6

| Source   |  | SS         | df  | MS         |  | Number of obs = | 131    |
|----------|--|------------|-----|------------|--|-----------------|--------|
|          |  |            |     |            |  | F( 6, 124) =    | 9.06   |
| Model    |  | 19.4051456 | 6   | 3.23419093 |  | Prob > F =      | 0.0000 |
| Residual |  | 44.2471061 | 124 | .356831501 |  | R-squared =     | 0.3049 |
|          |  |            |     |            |  | Adj R-squared = | 0.2712 |
| Total    |  | 63.6522517 | 130 | .489632706 |  | Root MSE =      | .59735 |

| lchnimp |  | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |          |
|---------|--|-----------|-----------|-------|-------|----------------------|----------|
|         |  |           |           |       |       |                      |          |
| lchempi |  | 3.1172    | .479202   | 6.50  | 0.000 | 2.168725             | 4.065675 |
| lgas    |  | .1963049  | .9066233  | 0.22  | 0.829 | -1.598157            | 1.990766 |
| lrtwex  |  | .9830093  | .4001536  | 2.46  | 0.015 | .1909934             | 1.775025 |
| befile6 |  | .0595742  | .26097    | 0.23  | 0.820 | -.4569584            | .5761068 |
| affile6 |  | -.0324067 | .2642973  | -0.12 | 0.903 | -.5555252            | .4907118 |
| afdec6  |  | -.5652446 | .2858353  | -1.98 | 0.050 | -1.130993            | .0005035 |
| _cons   |  | -17.80195 | 21.04551  | -0.85 | 0.399 | -59.45692            | 23.85301 |

### Change in Chinese export of barium

display 100\*(exp(\_b[afdec6])-1)  
-43.177885

### Example 10.6: Election Outcomes and Economic Performance

use <http://fmwww.bc.edu/ec-p/data/wooldridge/FAIR>

reg demvote partyWH incum pWHgnews pWHinf if year<1996

| Source |  | SS | df | MS |  | Number of obs = | 20   |
|--------|--|----|----|----|--|-----------------|------|
|        |  |    |    |    |  | F( 4, 15) =     | 7.37 |

|          |  |            |    |            |               |   |        |
|----------|--|------------|----|------------|---------------|---|--------|
| Model    |  | .072465402 | 4  | .018116351 | Prob > F      | = | 0.0017 |
| Residual |  | .036853881 | 15 | .002456925 | R-squared     | = | 0.6629 |
| -----    |  |            |    |            |               |   |        |
| Total    |  | .109319283 | 19 | .005753646 | Adj R-squared | = | 0.5730 |
|          |  |            |    |            | Root MSE      | = | .04957 |

| demvote  | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|----------|-----------|-----------|-------|-------|----------------------|-----------|
| partyWH  | -.0434752 | .040459   | -1.07 | 0.300 | -.1297114            | .0427611  |
| incum    | .0543902  | .0234166  | 2.32  | 0.035 | .004479              | .1043014  |
| pWHgnews | .0108466  | .0041267  | 2.63  | 0.019 | .0020508             | .0196424  |
| pWHinf   | -.0077017 | .0032567  | -2.36 | 0.032 | -.0146432            | -.0007602 |
| _cons    | .481062   | .0122631  | 39.23 | 0.000 | .4549238             | .5072002  |

### Predicted value of demvote

```
display _b[_cons]+_b[partyWH]+_b[incum]+_b[pWHgnews]*3+_b[pWHinf]*3.019
.5012655
```

### Example 10.7: Housing Investment and Prices

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/HSEINV
```

```
reg linvpc lprice
```

|          |  |            |    |            |                 |          |
|----------|--|------------|----|------------|-----------------|----------|
| Source   |  | SS         | df | MS         | Number of obs = | 42       |
| -----    |  |            |    |            | F( 1, 40) =     | 10.53    |
| Model    |  | .254364572 | 1  | .254364572 | Prob > F        | = 0.0024 |
| Residual |  | .966255373 | 40 | .024156384 | R-squared       | = 0.2084 |
| -----    |  |            |    |            | Adj R-squared   | = 0.1886 |
| Total    |  | 1.22061994 | 41 | .029771218 | Root MSE        | = .15542 |

| linvpc |  | Coef.     | Std. Err. | t      | P> t  | [95% Conf. Interval] |           |
|--------|--|-----------|-----------|--------|-------|----------------------|-----------|
| -----  |  |           |           |        |       |                      |           |
| lprice |  | 1.240944  | .3824192  | 3.24   | 0.002 | .4680455             | 2.013842  |
| _cons  |  | -.5502345 | .0430266  | -12.79 | 0.000 | -.6371945            | -.4632745 |

```
reg linvpc lprice t
```

|          |  |            |    |            |                 |          |
|----------|--|------------|----|------------|-----------------|----------|
| Source   |  | SS         | df | MS         | Number of obs = | 42       |
| -----    |  |            |    |            | F( 2, 39) =     | 10.08    |
| Model    |  | .415945135 | 2  | .207972568 | Prob > F        | = 0.0003 |
| Residual |  | .804674809 | 39 | .020632687 | R-squared       | = 0.3408 |
| -----    |  |            |    |            | Adj R-squared   | = 0.3070 |
| Total    |  | 1.22061994 | 41 | .029771218 | Root MSE        | = .14364 |

| linvpc | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|--------|-----------|-----------|-------|-------|----------------------|-----------|
| lprice | -.3809609 | .6788352  | -0.56 | 0.578 | -1.754035            | .992113   |
| t      | .0098287  | .0035122  | 2.80  | 0.008 | .0027246             | .0169328  |
| _cons  | -.9130595 | .1356134  | -6.73 | 0.000 | -1.187363            | -.6387556 |

### Example 10.8: Fertility Equation

**use <http://fmwww.bc.edu/ec-p/data/wooldridge/FERTIL3>**

**reg gfr pe ww2 pill t**

| Source   | SS         | df | MS         | Number of obs = 72 |   |        |
|----------|------------|----|------------|--------------------|---|--------|
| Model    | 18441.2357 | 4  | 4610.30894 | F( 4, 67)          | = | 32.84  |
| Residual | 9406.65967 | 67 | 140.397905 | Prob > F           | = | 0.0000 |
|          |            |    |            | R-squared          | = | 0.6622 |
|          |            |    |            | Adj R-squared      | = | 0.6420 |
|          |            |    |            | Root MSE           | = | 11.849 |
| Total    | 27847.8954 | 71 | 392.223879 |                    |   |        |

  

| gfr   | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|-------|-----------|-----------|-------|-------|----------------------|-----------|
| pe    | .2788778  | .0400199  | 6.97  | 0.000 | .1989978             | .3587578  |
| ww2   | -35.59228 | 6.297377  | -5.65 | 0.000 | -48.1619             | -23.02266 |
| pill  | .9974479  | 6.26163   | 0.16  | 0.874 | -11.50082            | 13.49571  |
| t     | -1.149872 | .1879038  | -6.12 | 0.000 | -1.524929            | -.7748146 |
| _cons | 111.7694  | 3.357765  | 33.29 | 0.000 | 105.0673             | 118.4716  |

**reg gfr pe ww2 pill t tsq**

| Source   | SS         | df | MS         | Number of obs = 72 |   |        |
|----------|------------|----|------------|--------------------|---|--------|
| Model    | 20236.3981 | 5  | 4047.27961 | F( 5, 66)          | = | 35.09  |
| Residual | 7611.49734 | 66 | 115.325717 | Prob > F           | = | 0.0000 |
|          |            |    |            | R-squared          | = | 0.7267 |
|          |            |    |            | Adj R-squared      | = | 0.7060 |
|          |            |    |            | Root MSE           | = | 10.739 |
| Total    | 27847.8954 | 71 | 392.223879 |                    |   |        |

  

| gfr  | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|------|-----------|-----------|-------|-------|----------------------|-----------|
| pe   | .3478126  | .0402599  | 8.64  | 0.000 | .2674311             | .428194   |
| ww2  | -35.88028 | 5.707921  | -6.29 | 0.000 | -47.27651            | -24.48404 |
| pill | -10.11972 | 6.336094  | -1.60 | 0.115 | -22.77014            | 2.530696  |
| t    | -2.531426 | .3893863  | -6.50 | 0.000 | -3.308861            | -1.753991 |

|       |  |          |          |       |       |          |          |
|-------|--|----------|----------|-------|-------|----------|----------|
| tsq   |  | .0196126 | .004971  | 3.95  | 0.000 | .0096876 | .0295377 |
| _cons |  | 124.0919 | 4.360738 | 28.46 | 0.000 | 115.3854 | 132.7984 |

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### Example 10.9: Puerto Rican Employment

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/PRMINWGE
```

```
reg lprepop lmincov lusgnp t
```

| Source   | SS         | df | MS         | Number of obs = 38 |   |        |
|----------|------------|----|------------|--------------------|---|--------|
| Model    | .270947898 | 3  | .090315966 | F( 3, 34)          | = | 62.78  |
| Residual | .048910453 | 34 | .001438543 | Prob > F           | = | 0.0000 |
|          |            |    |            | R-squared          | = | 0.8471 |
|          |            |    |            | Adj R-squared      | = | 0.8336 |
| Total    | .319858351 | 37 | .00864482  | Root MSE           | = | .03793 |

---

| lprepop | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|---------|-----------|-----------|-------|-------|----------------------|-----------|
| lmincov | -.1686946 | .0442464  | -3.81 | 0.001 | -.2586142            | -.078775  |
| lusgnp  | 1.057349  | .1766381  | 5.99  | 0.000 | .6983776             | 1.416321  |
| t       | -.0323541 | .0050228  | -6.44 | 0.000 | -.0425616            | -.0221467 |
| _cons   | -8.696287 | 1.295773  | -6.71 | 0.000 | -11.32961            | -6.06296  |

---

```
reg lprepop lmincov lusgnp
```

| Source   | SS         | df | MS         | Number of obs = 38 |   |        |
|----------|------------|----|------------|--------------------|---|--------|
| Model    | .211258194 | 2  | .105629097 | F( 2, 35)          | = | 34.04  |
| Residual | .108600157 | 35 | .003102862 | Prob > F           | = | 0.0000 |
|          |            |    |            | R-squared          | = | 0.6605 |
|          |            |    |            | Adj R-squared      | = | 0.6411 |
| Total    | .319858351 | 37 | .00864482  | Root MSE           | = | .0557  |

---

| lprepop | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|---------|-----------|-----------|-------|-------|----------------------|-----------|
| lmincov | -.1544433 | .0649015  | -2.38 | 0.023 | -.2862003            | -.0226863 |
| lusgnp  | -.0121899 | .0885134  | -0.14 | 0.891 | -.1918817            | .1675019  |
| _cons   | -1.054413 | .7654066  | -1.38 | 0.177 | -2.608271            | .4994452  |

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### Example 10.10: Housing Investment

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/HSEINV
```

**reg linvpc t**

| Source   | SS         | df | MS         | Number of obs = | 42     |
|----------|------------|----|------------|-----------------|--------|
| Model    | .409447014 | 1  | .409447014 | F( 1, 40) =     | 20.19  |
| Residual | .81117293  | 40 | .020279323 | Prob > F =      | 0.0001 |
|          |            |    |            | R-squared =     | 0.3354 |
| Total    | 1.22061994 | 41 | .029771218 | Adj R-squared = | 0.3188 |
|          |            |    |            | Root MSE =      | .14241 |

| linvpc | Coef.     | Std. Err. | t      | P> t  | [95% Conf. Interval] |           |
|--------|-----------|-----------|--------|-------|----------------------|-----------|
| t      | .0081459  | .0018129  | 4.49   | 0.000 | .0044819             | .0118098  |
| _cons  | -.8412918 | .044744   | -18.80 | 0.000 | -.9317228            | -.7508608 |

**predict linvpch, res****reg linvpch lprice t**

| Source   | SS         | df | MS         | Number of obs = | 42      |
|----------|------------|----|------------|-----------------|---------|
| Model    | .006498121 | 2  | .003249061 | F( 2, 39) =     | 0.16    |
| Residual | .804674806 | 39 | .020632687 | Prob > F =      | 0.8548  |
|          |            |    |            | R-squared =     | 0.0080  |
| Total    | .811172927 | 41 | .019784706 | Adj R-squared = | -0.0429 |
|          |            |    |            | Root MSE =      | .14364  |

| linvpch | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |          |
|---------|-----------|-----------|-------|-------|----------------------|----------|
| lprice  | -.3809609 | .6788352  | -0.56 | 0.578 | -1.754035            | .992113  |
| t       | .0016828  | .0035122  | 0.48  | 0.635 | -.0054213            | .0087869 |
| _cons   | -.0717677 | .1356134  | -0.53 | 0.600 | -.3460716            | .2025362 |

**reg linvpc lprice t**

| Source   | SS         | df | MS         | Number of obs = | 42     |
|----------|------------|----|------------|-----------------|--------|
| Model    | .415945135 | 2  | .207972568 | F( 2, 39) =     | 10.08  |
| Residual | .804674809 | 39 | .020632687 | Prob > F =      | 0.0003 |
|          |            |    |            | R-squared =     | 0.3408 |
| Total    | 1.22061994 | 41 | .029771218 | Adj R-squared = | 0.3070 |
|          |            |    |            | Root MSE =      | .14364 |

| linvpc | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |           |
|--------|-----------|-----------|-------|-------|----------------------|-----------|
| lprice | -.3809609 | .6788352  | -0.56 | 0.578 | -1.754035            | .992113   |
| t      | .0098287  | .0035122  | 2.80  | 0.008 | .0027246             | .0169328  |
| _cons  | -.9130595 | .1356134  | -6.73 | 0.000 | -1.187363            | -.6387556 |



## Example 10.11: Effects of Antidumping Filings

```
use http://fmwww.bc.edu/ec-p/data/wooldridge/BARIUM
```

```
reg lchnimp lchempi lgas lrtwex befile6 affile6 afdec6 feb mar apr may jun jul aug  
sep oct nov dec
```

| Source   | SS         | df  | MS         | Number of obs = | 131    |
|----------|------------|-----|------------|-----------------|--------|
| Model    | 22.8083791 | 17  | 1.34166936 | F( 17, 113) =   | 3.71   |
| Residual | 40.8438726 | 113 | .3614502   | Prob > F =      | 0.0000 |
|          |            |     |            | R-squared =     | 0.3583 |
|          |            |     |            | Adj R-squared = | 0.2618 |
| Total    | 63.6522517 | 130 | .489632706 | Root MSE =      | .60121 |

| lchnimp | Coef.     | Std. Err. | t     | P> t  | [95% Conf. Interval] |          |
|---------|-----------|-----------|-------|-------|----------------------|----------|
| lchempi | 3.265067  | .4929297  | 6.62  | 0.000 | 2.288485             | 4.24165  |
| lgas    | -1.278206 | 1.389015  | -0.92 | 0.359 | -4.030094            | 1.473683 |
| lrtwex  | .6630341  | .471303   | 1.41  | 0.162 | -.2707021            | 1.59677  |
| befile6 | .1397036  | .2668075  | 0.52  | 0.602 | -.38889              | .6682973 |
| affile6 | .0126343  | .2786866  | 0.05  | 0.964 | -.5394941            | .5647627 |
| afdec6  | -.5213008 | .3019498  | -1.73 | 0.087 | -1.119518            | .0769161 |
| feb     | -.417716  | .3044432  | -1.37 | 0.173 | -1.020873            | .1854408 |
| mar     | .0590529  | .2647304  | 0.22  | 0.824 | -.4654258            | .5835316 |
| apr     | -.4514835 | .2683861  | -1.68 | 0.095 | -.9832049            | .0802378 |
| may     | .0333114  | .2692426  | 0.12  | 0.902 | -.5001067            | .5667294 |
| jun     | -.2063286 | .2692517  | -0.77 | 0.445 | -.7397648            | .3271076 |
| jul     | .0038404  | .2787666  | 0.01  | 0.989 | -.5484466            | .5561273 |
| aug     | -.157059  | .2779935  | -0.56 | 0.573 | -.7078142            | .3936962 |
| sep     | -.1341598 | .2676556  | -0.50 | 0.617 | -.6644338            | .3961142 |
| oct     | .051691   | .2668511  | 0.19  | 0.847 | -.4769892            | .5803712 |
| nov     | -.246259  | .2628271  | -0.94 | 0.351 | -.7669669            | .2744489 |
| dec     | .1328415  | .2714237  | 0.49  | 0.625 | -.4048978            | .6705809 |
| _cons   | 16.78074  | 32.4288   | 0.52  | 0.606 | -47.46656            | 81.02804 |

```
test feb mar apr may jun jul aug sep oct nov dec
```

- ( 1) feb = 0.0
- ( 2) mar = 0.0
- ( 3) apr = 0.0
- ( 4) may = 0.0
- ( 5) jun = 0.0
- ( 6) jul = 0.0
- ( 7) aug = 0.0

```
( 8)  sep = 0.0  
( 9)  oct = 0.0  
(10)  nov = 0.0  
(11)  dec = 0.0
```

```
      F( 11,   113) =    0.86  
      Prob > F =    0.5852
```

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*This page prepared by Oleksandr Talavera (revised 8 Nov 2002)*

Send your questions/comments/suggestions to Kit Baum at **baum@bc.edu**  
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