```
  ___  ____  ____  ____  ____ (R)
 /__    /   ____/   /   ____/
___/   /   /___/   /   /___/   12.1   Copyright 1985-2011 StataCorp LP
  Statistics/Data Analysis            StataCorp
                                     4905 Lakeway Drive
     Special Edition                  College Station, Texas 77845 USA
                                     800-STATA-PC           http://www.stata.com
                                     979-696-4600           stata@stata.com
                                     979-696-4601 (fax)

Single-user Stata network perpetual license:
       Serial number:  93611859953
         Licensed to:  Stata
                       BioStat

Notes:
      1.  (/v# option or -set maxvar-) 5000 maximum variables

 1 . doedit D:\Dropbox\ISAUM-Br_Paper_OOP\BMC-Public_Health\BMC-Public_Health_rev-2\Paper_O
   > OP_sintax_Ago_02_2019.do

 2 . use "D:\Dropbox\ISAUM-Br_Paper_OOP\BMC-Public_Health\BMC-Public_Health_rev-2\HTN_DM_OO
   > P_Jul_2019.dta", clear

 3 . drop residualDM beta_DM residualDM_Total_exp beta_DM_Total_exp residualDM_perc_MS beta
   > _DM_perc_MS residualDM_exp_capita beta_DM_exp_capita residualDM_exp_capita_pac beta_DM
   > _exp_capita_pac residualHTN beta_HTN residualHTN_Total_exp beta_HTN_Total_exp residual
   > HTN_perc_MS beta_HTN_perc_MS residualHTN_exp_capita beta_HTN_exp_capita residualHTN_ex
   > p_capita_pac beta_HTN_exp_capita_pac

 4 . do "C:\Users\Owner\AppData\Local\Temp\STD00000000.tmp"

 5 . ********************************************************************************
   > ********************
 6 . ****** MODELS FOR DISPENSINGS (EXCLUDED INTERVENTION TRANSITION - 2 MONTHS FOR BOTH IN
   > TERVENTIONS ********
 7 . ********************************************************************************
   > ********************
 8 .
 9 . *******************************
10 . **** Diabetes Overall  ********
11 . *******************************
12 .
13 . ***********************************
14 . **** Number of individuals ********
15 . ***********************************
16 .
17 . ***prais DM_ind_count_d Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, r
   > hotype(dw)
18 .
19 . prais DM_ind_count_d Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, corc

Number of gaps in sample:    2
(note: computations for rho restarted at each gap)

Iteration 0:  rho =  0.0000
Iteration 1:  rho =  0.1104
Iteration 2:  rho =  0.1397
Iteration 3:  rho =  0.1454
Iteration 4:  rho =  0.1466
Iteration 5:  rho =  0.1468
Iteration 6:  rho =  0.1469
Iteration 7:  rho =  0.1469
Iteration 8:  rho =  0.1469
Iteration 9:  rho =  0.1469
```

Cochrane-Orcutt AR(1) regression -- iterated estimates

Source	SS	df	MS
Model	**867.573386**	**5**	**173.514677**
Residual	**5.37929793**	**62**	**.08676287**
Total	**872.952684**	**67**	**13.0291445**

Number of obs = **68**
F(5, 62) = **1999.87**
Prob > F = **0.0000**
R-squared = **0.9938**
Adj R-squared = **0.9933**
Root MSE = **.29456**

DM_ind_count_d	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	**.1211879**	**.0076632**	**15.81**	**0.000**	**.1058693**	**.1365064**
level_AFP_II_a	**-1.737563**	**.2262778**	**-7.68**	**0.000**	**-2.189886**	**-1.28524**
trend_AFP_II_a	**-.1092219**	**.0163667**	**-6.67**	**0.000**	**-.1419385**	**-.0765054**
level_SNP_a	**4.580765**	**.2473427**	**18.52**	**0.000**	**4.086334**	**5.075196**
trend_SNP_a	**.3202013**	**.0197081**	**16.25**	**0.000**	**.2808054**	**.3595973**
_cons	**.598661**	**.1395337**	**4.29**	**0.000**	**.3197371**	**.8775849**
rho	**.1468856**					

Durbin-Watson statistic (original) **1.356001**
Durbin-Watson statistic (transformed) **2.224562**

```
20 .
21 .
22 . **GENERATE PREDICTIONS FROM MODEL
23 . predict residual, residual
(4 missing values generated)

24 . predict beta
(option xb assumed; fitted values)
(4 missing values generated)

25 .
26 . rename residual residualDM

27 . rename beta beta_DM

28 .
29 .
30 . ********************************************************************************
31 .
32 . ****************************************
33 . **** Diabetes Total expenditure   ********
34 . ****************************************
35 .
36 . prais DM_Total_exp Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, corc

Number of gaps in sample:    2
(note: computations for rho restarted at each gap)

Iteration 0:  rho =  0.0000
Iteration 1:  rho =  0.6516
Iteration 2:  rho =  0.6578
Iteration 3:  rho =  0.6588
Iteration 4:  rho =  0.6590
Iteration 5:  rho =  0.6590
Iteration 6:  rho =  0.6590
Iteration 7:  rho =  0.6590

Cochrane-Orcutt AR(1) regression -- iterated estimates
```

Source	SS	df	MS
Model	**2.2418e+14**	**5**	**4.4836e+13**
Residual	**3.6983e+13**	**62**	**5.9650e+11**
Total	**2.6116e+14**	**67**	**3.8980e+12**

Number of obs = **68**
F(5, 62) = **75.17**
Prob > F = **0.0000**
R-squared = **0.8584**
Adj R-squared = **0.8470**
Root MSE = **7.7e+05**

DM_Total_exp	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	**356952.8**	**50268.66**	**7.10**	**0.000**	**256467.2**	**457438.4**
level_AFP_II_a	**-4417562**	**1565916**	**-2.82**	**0.006**	**-7547784**	**-1287340**
trend_AFP_II_a	**-367883.2**	**107361**	**-3.43**	**0.001**	**-582494.8**	**-153271.6**
level_SNP_a	**2904400**	**1630404**	**1.78**	**0.080**	**-354731.6**	**6163532**
trend_SNP_a	**543104.9**	**129279.8**	**4.20**	**0.000**	**284678.3**	**801531.5**
_cons	**2117644**	**994729.4**	**2.13**	**0.037**	**129208.1**	**4106080**
rho	**.6589963**					

Durbin-Watson statistic (original) **0.677711**
Durbin-Watson statistic (transformed) **2.121174**

```
37 .
38 . **GENERATE PREDICTIONS FROM MODEL
39 . predict residual, residual
   (4 missing values generated)

40 . predict beta
   (option xb assumed; fitted values)
   (4 missing values generated)

41 .
42 . rename residual residualDM_Total_exp

43 . rename beta beta_DM_Total_exp

44 .
45 .
46 . **********************************
47 . **** Diabetes Percent MS   ********
48 . **********************************
49 .
50 . ***prais DM_perc_MS Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, rhoty
   > pe(dw)
51 .
52 .
53 . prais DM_perc_MS Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, corc

   Number of gaps in sample:    2
   (note: computations for rho restarted at each gap)

   Iteration 0:  rho =  0.0000
   Iteration 1:  rho =  0.6562
   Iteration 2:  rho =  0.6607
   Iteration 3:  rho =  0.6614
   Iteration 4:  rho =  0.6615
   Iteration 5:  rho =  0.6615
   Iteration 6:  rho =  0.6615
   Iteration 7:  rho =  0.6615

   Cochrane-Orcutt AR(1) regression -- iterated estimates
```

Source	SS	df	MS
Model	**2104.66702**	**5**	**420.933404**
Residual	**13.9744556**	**62**	**.225394445**
Total	**2118.64147**	**67**	**31.6215145**

Number of obs = **68**
F(5, 62) = **1867.54**
Prob > F = **0.0000**
R-squared = **0.9934**
Adj R-squared = **0.9929**
Root MSE = **.47476**

DM_perc_MS	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	**-.3237033**	**.0311265**	**-10.40**	**0.000**	**-.3859244**	**-.2614823**
level_AFP_II_a	**-13.93192**	**.9703073**	**-14.36**	**0.000**	**-15.87154**	**-11.99231**
trend_AFP_II_a	**.3279685**	**.0664783**	**4.93**	**0.000**	**.1950803**	**.4608567**
level_SNP_a	**42.86989**	**1.009733**	**42.46**	**0.000**	**40.85146**	**44.88832**
trend_SNP_a	**-.0042652**	**.0800505**	**-0.05**	**0.958**	**-.1642838**	**.1557534**
_cons	**81.32671**	**.6165452**	**131.91**	**0.000**	**80.09425**	**82.55916**
rho	**.6614733**					

Durbin-Watson statistic (original) **0.665508**
Durbin-Watson statistic (transformed) **1.778373**

```
54 .
55 .
56 . **GENERATE PREDICTIONS FROM MODEL
57 . predict residual, residual
   (4 missing values generated)

58 . predict beta
   (option xb assumed; fitted values)
   (4 missing values generated)

59 .
60 . rename residual residualDM_perc_MS

61 . rename beta beta_DM_perc_MS

62 .
63 .
64 .
65 . *****************************************
66 . **** Diabetes Expenditure Percapita  ******
67 . *****************************************
68 .
69 . ***prais DM_exp_capita Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, rh
   > otype(dw)
70 .
71 . prais DM_exp_capita Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, corc

   Number of gaps in sample:    2
   (note: computations for rho restarted at each gap)

   Iteration 0:  rho =  0.0000
   Iteration 1:  rho =  0.7781
   Iteration 2:  rho =  0.7826
   Iteration 3:  rho =  0.7833
   Iteration 4:  rho =  0.7834
   Iteration 5:  rho =  0.7834
   Iteration 6:  rho =  0.7834
   Iteration 7:  rho =  0.7834

   Cochrane-Orcutt AR(1) regression -- iterated estimates
```

Source	SS	df	MS	Number of obs =	68
Model	162.15896	5	32.4317921	F(5, 62) =	9.09
Residual	221.301248	62	3.56937497	Prob > F =	0.0000
				R-squared =	0.4229
				Adj R-squared =	0.3763
Total	383.460208	67	5.72328669	Root MSE =	1.8893

DM_exp_capita	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	-.1101953	.1936078	-0.57	0.571	-.4972117	.2768212
level_AFP_II_a	5.96539	6.395247	0.93	0.355	-6.818527	18.74931
trend_AFP_II_a	-.2036914	.4134967	-0.49	0.624	-1.03026	.6228768
level_SNP_a	-15.8297	6.421462	-2.47	0.016	-28.66602	-2.993385
trend_SNP_a	.4941281	.497916	0.99	0.325	-.5011918	1.489448
_cons	33.06701	4.129037	8.01	0.000	24.81318	41.32083
rho	.7834166					

Durbin-Watson statistic (original) **0.462208**
Durbin-Watson statistic (transformed) **1.912641**

```
72 .
73 . **GENERATE PREDICTIONS FROM MODEL
74 . predict residual, residual
   (4 missing values generated)

75 . predict beta
   (option xb assumed; fitted values)
   (4 missing values generated)

76 .
77 . rename residual residualDM_exp_capita

78 . rename beta beta_DM_exp_capita

79 .
80 .
81 .
82 . *******************************************
83 . **** Diabetes Out of pocket payment  ********
84 . *******************************************
85 .
86 . ***prais DM_exp_capita_pac Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a
   > , rhotype(dw)
87 .
88 . prais DM_exp_capita_pac Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, c
   > orc

   Number of gaps in sample:    2
   (note: computations for rho restarted at each gap)

   Iteration 0:  rho =  0.0000
   Iteration 1:  rho =  0.7446
   Iteration 2:  rho =  0.7488
   Iteration 3:  rho =  0.7495
   Iteration 4:  rho =  0.7496
   Iteration 5:  rho =  0.7496
   Iteration 6:  rho =  0.7496
   Iteration 7:  rho =  0.7496

   Cochrane-Orcutt AR(1) regression -- iterated estimates
```

Source	SS	df	MS
Model	**111.477534**	**5**	**22.2955068**
Residual	**13.1647633**	**62**	**.212334892**
Total	**124.642297**	**67**	**1.86033279**

Number of obs = **68**
F(5, 62) = **105.00**
Prob > F = **0.0000**
R-squared = **0.8944**
Adj R-squared = **0.8859**
Root MSE = **.4608**

DM_exp_capit~c	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	**.0732483**	**.0408471**	**1.79**	**0.078**	**-.0084039**	**.1549004**
level_AFP_II_a	**6.635445**	**1.319448**	**5.03**	**0.000**	**3.997906**	**9.272983**
trend_AFP_II_a	**-.2079542**	**.0872389**	**-2.38**	**0.020**	**-.3823423**	**-.0335662**
level_SNP_a	**-12.26695**	**1.341063**	**-9.15**	**0.000**	**-14.94769**	**-9.5862**
trend_SNP_a	**.134706**	**.1050495**	**1.28**	**0.205**	**-.075285**	**.344697**
_cons	**6.251089**	**.8477794**	**7.37**	**0.000**	**4.556403**	**7.945776**
rho	**.7496187**					

Durbin-Watson statistic (original) **0.514678**
Durbin-Watson statistic (transformed) **1.793323**

```
 89 .
 90 . **GENERATE PREDICTIONS FROM MODEL
 91 . predict residual, residual
    (4 missing values generated)

 92 . predict beta
    (option xb assumed; fitted values)
    (4 missing values generated)

 93 .
 94 . rename residual residualDM_exp_capita_pac

 95 . rename beta beta_DM_exp_capita_pac

 96 .
 97 .
 98 . ******************************
 99 . **** Hypertension Overall  ****
100 . ******************************
101 .
102 . ******************************************
103 . **** Hypertension number of individuals  ****
104 . ******************************************
105 .
106 . ***prais HTN_ind_count_d Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a,
    > rhotype(dw)
107 .
108 . prais HTN_ind_count_d Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, cor
    > c

    Number of gaps in sample:    2
    (note: computations for rho restarted at each gap)

    Iteration 0:  rho =  0.0000
    Iteration 1:  rho =  0.1738
    Iteration 2:  rho =  0.2018
    Iteration 3:  rho =  0.2076
    Iteration 4:  rho =  0.2088
    Iteration 5:  rho =  0.2091
    Iteration 6:  rho =  0.2092
    Iteration 7:  rho =  0.2092
    Iteration 8:  rho =  0.2092
    Iteration 9:  rho =  0.2092
```

Cochrane-Orcutt AR(1) regression -- iterated estimates

Source	SS	df	MS
Model	**6398.46563**	**5**	**1279.69313**
Residual	**69.2950165**	**62**	**1.11766156**
Total	**6467.76065**	**67**	**96.533741**

Number of obs = **68**
F(5, 62) = **1144.97**
Prob > F = **0.0000**
R-squared = **0.9893**
Adj R-squared = **0.9884**
Root MSE = **1.0572**

HTN_ind_coun~d	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	**.3124578**	**.0296719**	**10.53**	**0.000**	**.2531445**	**.3717712**
level_AFP_II_a	**-4.876448**	**.8783862**	**-5.55**	**0.000**	**-6.632317**	**-3.120579**
trend_AFP_II_a	**-.2978411**	**.0633717**	**-4.70**	**0.000**	**-.4245193**	**-.171163**
level_SNP_a	**15.49915**	**.9574851**	**16.19**	**0.000**	**13.58517**	**17.41314**
trend_SNP_a	**.8528452**	**.0763096**	**11.18**	**0.000**	**.7003045**	**1.005386**
_cons	**.7329149**	**.5427092**	**1.35**	**0.182**	**-.3519452**	**1.817775**
rho	**.2092097**					

Durbin-Watson statistic (original) **1.266337**
Durbin-Watson statistic (transformed) **2.355599**

```
109 .
110 . **GENERATE PREDICTIONS FROM MODEL
111 . predict residual, residual
    (4 missing values generated)

112 . predict beta
    (option xb assumed; fitted values)
    (4 missing values generated)

113 .
114 . rename residual residualHTN

115 . rename beta beta_HTN

116 .
117 .
118 . ****************************************
119 . **** Hypertension Total expenditure   ****
120 . ****************************************
121 .
122 . ***prais HTN_Total_exp Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, rh
    > otype(dw)
123 .
124 . prais HTN_Total_exp Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, corc

    Number of gaps in sample:    2
    (note: computations for rho restarted at each gap)

    Iteration 0:  rho =  0.0000
    Iteration 1:  rho =  0.7402
    Iteration 2:  rho =  0.7520
    Iteration 3:  rho =  0.7579
    Iteration 4:  rho =  0.7610
    Iteration 5:  rho =  0.7628
    Iteration 6:  rho =  0.7638
    Iteration 7:  rho =  0.7644
    Iteration 8:  rho =  0.7647
    Iteration 9:  rho =  0.7649
    Iteration 10:  rho =  0.7650
    Iteration 11:  rho =  0.7651
    Iteration 12:  rho =  0.7652
    Iteration 13:  rho =  0.7652
    Iteration 14:  rho =  0.7652
```

```
Iteration 15:  rho =  0.7652
Iteration 16:  rho =  0.7652
Iteration 17:  rho =  0.7652
Iteration 18:  rho =  0.7652
Iteration 19:  rho =  0.7652
Iteration 20:  rho =  0.7652

Cochrane-Orcutt AR(1) regression -- iterated estimates
```

Source	SS	df	MS
Model	1.6826e+15	5	3.3651e+14
Residual	4.7039e+14	62	7.5869e+12
Total	2.1530e+15	67	3.2134e+13

Number of obs	68
F(5, 62)	44.35
Prob > F	0.0000
R-squared	0.7815
Adj R-squared	0.7639
Root MSE	2.8e+06

HTN_Total_exp	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	1271090	260380.3	4.88	0.000	750597.4	1791583
level_AFP_II_a	-1.94e+07	8490509	-2.28	0.026	-3.63e+07	-2399550
trend_AFP_II_a	-1272637	556105.6	-2.29	0.026	-2384276	-160997.6
level_SNP_a	3.46e+07	8583498	4.03	0.000	1.75e+07	5.18e+07
trend_SNP_a	738447.5	669639.9	1.10	0.274	-600143.5	2077039
_cons	199490.1	5467461	0.04	0.971	-1.07e+07	1.11e+07
rho	.7652123					

```
Durbin-Watson statistic (original)      0.490229
Durbin-Watson statistic (transformed)   2.196999

125 .
126 . **GENERATE PREDICTIONS FROM MODEL
127 . predict residual, residual
(4 missing values generated)

128 . predict beta
(option xb assumed; fitted values)
(4 missing values generated)

129 .
130 . rename residual residualHTN_Total_exp

131 . rename beta beta_HTN_Total_exp

132 .
133 .
134 . **********************************
135 . **** Hypertension Percent MS   ****
136 . **********************************
137 .
138 . ***prais HTN_perc_MS Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, rhot
> ype(dw)
139 .
140 . prais HTN_perc_MS Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, corc

Number of gaps in sample:    2
(note: computations for rho restarted at each gap)

Iteration 0:  rho =  0.0000
Iteration 1:  rho =  0.5829
Iteration 2:  rho =  0.5819
Iteration 3:  rho =  0.5817
Iteration 4:  rho =  0.5817
Iteration 5:  rho =  0.5817
Iteration 6:  rho =  0.5817
```

Cochrane-Orcutt AR(1) regression -- iterated estimates

Source	SS	df	MS
Model	**1733.04753**	**5**	**346.609507**
Residual	**34.8793208**	**62**	**.56256969**
Total	**1767.92685**	**67**	**26.386968**

Number of obs = **68**
F(5, 62) = **616.12**
Prob > F = **0.0000**
R-squared = **0.9803**
Adj R-squared = **0.9787**
Root MSE = **.75005**

HTN_perc_MS	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	**-.0508355**	**.0397986**	**-1.28**	**0.206**	**-.1303917**	**.0287208**
level_AFP_II_a	**-16.3997**	**1.218289**	**-13.46**	**0.000**	**-18.83502**	**-13.96437**
trend_AFP_II_a	**.2845781**	**.0849996**	**3.35**	**0.001**	**.1146662**	**.45449**
level_SNP_a	**29.46988**	**1.286212**	**22.91**	**0.000**	**26.89878**	**32.04098**
trend_SNP_a	**-.2337426**	**.1023531**	**-2.28**	**0.026**	**-.4383436**	**-.0291417**
_cons	**83.41422**	**.7680585**	**108.60**	**0.000**	**81.87889**	**84.94954**
rho	**.581715**					

Durbin-Watson statistic (original) **0.751780**
Durbin-Watson statistic (transformed) **1.819471**

```
141 .
142 .
143 . **GENERATE PREDICTIONS FROM MODEL
144 . predict residual, residual
    (4 missing values generated)

145 . predict beta
    (option xb assumed; fitted values)
    (4 missing values generated)

146 .
147 . rename residual residualHTN_perc_MS

148 . rename beta beta_HTN_perc_MS

149 .
150 .
151 . *****************************************
152 . **** Hypertension Expenditure Percapita  ***
153 . *****************************************
154 .
155 . ***prais HTN_exp_capita Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, r
    > hotype(dw)
156 .
157 . prais HTN_exp_capita Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a, corc

    Number of gaps in sample:    2
    (note: computations for rho restarted at each gap)

    Iteration 0:  rho =  0.0000
    Iteration 1:  rho =  0.7843
    Iteration 2:  rho =  0.7873
    Iteration 3:  rho =  0.7876
    Iteration 4:  rho =  0.7876
    Iteration 5:  rho =  0.7876
    Iteration 6:  rho =  0.7876

    Cochrane-Orcutt AR(1) regression -- iterated estimates
```

Source	SS	df	MS	Number of obs =	68
				F(5, 62) =	3.94
Model	196.21675	5	39.24335	Prob > F =	0.0036
Residual	617.084564	62	9.95297684	R-squared =	0.2413
				Adj R-squared =	0.1801
Total	813.301314	67	12.1388256	Root MSE =	3.1548

HTN_exp_capita	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	.0105722	.3296641	0.03	0.975	-.6484168	.6695613
level_AFP_II_a	4.511183	10.92558	0.41	0.681	-17.32874	26.35111
trend_AFP_II_a	-.399688	.7040781	-0.57	0.572	-1.80712	1.007744
level_SNP_a	-14.59747	10.95229	-1.33	0.187	-36.49078	7.295838
trend_SNP_a	.4379438	.8478223	0.52	0.607	-1.256829	2.132717
_cons	36.42778	7.058262	5.16	0.000	22.31851	50.53704
rho	.7875988					

Durbin-Watson statistic (original)   **0.445208**
Durbin-Watson statistic (transformed)   **1.897956**

```
158 .
159 . **GENERATE PREDICTIONS FROM MODEL
160 . predict residual, residual
    (4 missing values generated)

161 . predict beta
    (option xb assumed; fitted values)
    (4 missing values generated)

162 .
163 . rename residual residualHTN_exp_capita

164 . rename beta beta_HTN_exp_capita

165 .
166 .
167 . *******************************************
168 . **** Hypertension Out of pocket payment *****
169 . *******************************************
170 .
171 . ***prais HTN_exp_capita_pac Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_
    > a, rhotype(dw)
172 .
173 . prais HTN_exp_capita_pac Tempo level_AFP_II_a trend_AFP_II_a level_SNP_a trend_SNP_a,
    > corc

    Number of gaps in sample:    2
    (note: computations for rho restarted at each gap)

    Iteration 0:  rho =  0.0000
    Iteration 1:  rho =  0.7381
    Iteration 2:  rho =  0.7390
    Iteration 3:  rho =  0.7391
    Iteration 4:  rho =  0.7391
    Iteration 5:  rho =  0.7391
    Iteration 6:  rho =  0.7391

    Cochrane-Orcutt AR(1) regression -- iterated estimates
```

Source	SS	df	MS
Model	**87.8378349**	**5**	**17.567567**
Residual	**26.7666002**	**62**	**.431719358**
Total	**114.604435**	**67**	**1.71051396**

Number of obs = **68**
F(5, 62) = **40.69**
Prob > F = **0.0000**
R-squared = **0.7664**
Adj R-squared = **0.7476**
Root MSE = **.65705**

HTN_exp_capi~c	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
Tempo	**.0083613**	**.0558979**	**0.15**	**0.882**	**-.1033771**	**.1200996**
level_AFP_II_a	**7.625822**	**1.795443**	**4.25**	**0.000**	**4.036783**	**11.21486**
trend_AFP_II_a	**-.214154**	**.1193837**	**-1.79**	**0.078**	**-.4527986**	**.0244906**
level_SNP_a	**-9.655057**	**1.831035**	**-5.27**	**0.000**	**-13.31525**	**-5.99487**
trend_SNP_a	**.2057927**	**.143757**	**1.43**	**0.157**	**-.0815735**	**.4931589**
_cons	**6.289115**	**1.151936**	**5.46**	**0.000**	**3.986427**	**8.591802**
rho	**.7391103**					

Durbin-Watson statistic (original) **0.505836**
Durbin-Watson statistic (transformed) **1.870613**

```
174 .
175 .
176 . **GENERATE PREDICTIONS FROM MODEL
177 . predict residual, residual
    (4 missing values generated)

178 . predict beta
    (option xb assumed; fitted values)
    (4 missing values generated)

179 .
180 . rename residual residualHTN_exp_capita_pac

181 . rename beta beta_HTN_exp_capita_pac

182 .
    end of do-file

183 .
```