KS001273_HamiltonRobison.zip (Backup data noticed 6/5/2012)

SundingRegressionResults.txt

```
---------------------------------------------------------------------------------------
      name:  <unnamed>
       log:  c:\school finance\kbid_regression  2 Apr 2012.log
  log type:  text
 opened on:   2 Apr 2012, 12:30:13

.
. gen corn_yield_interaction = deliveries_total * region_corn_yield

.
. reg kbid_corn_yield deliveries_total region_corn_yield corn_yield_interaction

      Source |       SS       df       MS              Number of obs =      41
-------------+------------------------------           F(  3,    37) =   15.47
       Model |  21149.5491     3  7049.8497            Prob > F      =  0.0000
    Residual |  16856.2327    37  455.573856           R-squared     =  0.5565
-------------+------------------------------           Adj R-squared =  0.5205
       Total |  38005.7818    40  950.144544           Root MSE      =  21.344

------------------------------------------------------------------------------
       kbid_corn_yield |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----------------------+------------------------------------------------------------
      deliveries_total |   .0015633   .0013171     1.19   0.243    -.0011054     .004232
     region_corn_yield |   1.625782   .4669733     3.48   0.001     .6796043     2.57196
corn_yield_interaction |  -.0000152   .0000118    -1.29   0.205    -.0000391    8.68e-06
                 _cons |  -37.50994   55.15746    -0.68   0.501    -149.2696    74.24969
------------------------------------------------------------------------------

. dwstat

Durbin-Watson d-statistic(  4,    41) =  .5641668

.
. prais kbid_corn_yield deliveries_total region_corn_yield corn_yield_interaction

Iteration 0:  rho = 0.0000
Iteration 1:  rho = 0.7208
Iteration 2:  rho = 0.7650
Iteration 3:  rho = 0.7658
Iteration 4:  rho = 0.7658
Iteration 5:  rho = 0.7658

Prais-Winsten AR(1) regression -- iterated estimates

      Source |       SS       df       MS              Number of obs =      41
-------------+------------------------------           F(  3,    37) =   26.61
       Model |  16062.1685     3  5354.05618           Prob > F      =  0.0000
    Residual |  7445.34186    37  201.225456           R-squared     =  0.6833
-------------+------------------------------           Adj R-squared =  0.6576
       Total |  23507.5104    40   587.68776           Root MSE      =  14.185

------------------------------------------------------------------------------
       kbid_corn_yield |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----------------------+------------------------------------------------------------
```

Exhibit
Hamilton-3
Patterson Reporting & Video