```
    wage_hat |      1000    17.94095    4.540388    5.000033   33.38202
      name:  <unnamed>
       log:  /Users/projection/Desktop/2-17-14.smcl
  log type:  smcl
 opened on:  17 Feb 2014, 12:05:33

. gen lwage=log(wage)

. reg lwage educ

      Source |       SS       df       MS              Number of obs =    1000
-------------+------------------------------           F(  1,   998) =  216.41
       Model |  60.015841     1  60.015841              Prob > F      =  0.0000
    Residual |  276.76489   998  .27731953              R-squared     =  0.1782
-------------+------------------------------           Adj R-squared =  0.1774
       Total |  336.780731   999  .337117849           Root MSE      =  .52661

------------------------------------------------------------------------------
       lwage |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
        educ |   .0904082   .0061456    14.71   0.000     .0783484    .1024681
       _cons |   1.609444   .0864229    18.62   0.000     1.439853    1.779036
------------------------------------------------------------------------------

. predict lwage_hat
(option xb assumed; fitted values)

. gen wage_hat=exp(lwage_hat)

. summarize lwage lwage_hat

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
       lwage |      1000    2.856988    .5806185   .6780335   4.335852
   lwage_hat |      1000    2.856988    .2451039   1.609444   3.508018

. summarize wage wage_hat

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
        wage |      1000    20.61566    12.83472       1.97       76.39
    wage_hat |      1000    17.94095    4.540388   5.000033   33.38202

. gen wage_hat_c=exp(.27731953/2)*wage_hat

. summarize wage wage_hat wage_hat_c

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
        wage |      1000    20.61566    12.83472       1.97       76.39
    wage_hat |      1000    17.94095    4.540388   5.000033   33.38202
  wage_hat_c |      1000    20.60937    5.215694   5.743704   38.34704

. display exp(.27731953/2)
1.1487332
```