# HOMEWORK DUE SATURDAY (Oct. 10)

**Using the regression results we produced in class (see next page), calculate the predicted years of education for:**

**#1 White man age 72, *native born,* resident of New York City (pop. 8.4 million)**

**#2 Asian woman age 31, foreign born, resident of Madison, Wisconsin (pop. 258 thousand)**

**#3 American Indian man, age 55, *native born,* resident of Earlville, NY (pop. 809)**

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. svy: regress educ_yrs i.racenew female i.region age i.msasize usborn
(running regress on estimation sample)

Survey: Linear regression
Number of strata   =       339              Number of obs     =        95,440
Number of PSUs     =       678              Population size   =   598,846,094
                                            Design df         =           339
                                            F(  17,    323)   =        180.23
                                            Prob > F          =        0.0000
                                            R-squared         =        0.0926
------------------------------------------------------------------------------
                             |             Linearized
                   educ_yrs |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----------------------------+------------------------------------------------------------------
                    racenew |
           Black/African American |  -.8093131   .0418097   -19.36   0.000    -.8915522    -.727074
American Indian/Alaskan Native |  -1.200004   .1667135    -7.20   0.000    -1.527927   -.8720806
                      Asian |   2.153683   .1282522    16.79   0.000     1.901413    2.405954
             Multiple Race |  -.2211873   .0966098    -2.29   0.023    -.4112175    -.031157
                Other Race |  -1.848198    .087457   -21.13   0.000    -2.020225   -1.676171
                           |
                    female |  -.1115183   .0200217    -5.57   0.000    -.1509007   -.0721359
                           |
                    region |
            North Central/Midwest |   -.189407   .0529272    -3.58   0.000    -.2935141   -.0852999
                     South |  -.4053784   .0512861    -7.90   0.000    -.5062575   -.3044993
                      West |  -.3091214   .0544823    -5.67   0.000    -.4162873   -.2019556
                           |
                       age |   -.020421   .0007437   -27.46   0.000    -.0218839   -.0189582
                           |
                   msasize |
             Under 250,000 |   .6867269   .0902803     7.61   0.000     .5091467     .864307
          250,000-499,999 |   .5587713   .0800549     6.98   0.000     .4013045    .7162382
          500,000-999,999 |   .7784452   .0606636    12.83   0.000     .6591208    .8977697
        1,000,000-2,499,999 |   1.019249   .0538703    18.92   0.000     .9132871    1.125211
        2,500,000-4,999,999 |   1.157253   .0678906    17.05   0.000     1.023713    1.290793
          5,000,000 or more |   .9914479   .0757812    13.08   0.000     .8423873    1.140509
                           |
                     usborn |   1.839461   .0617645    29.78   0.000     1.717971    1.960951
                      _cons |   11.96645   .0924226   129.48   0.000     11.78466    12.14825
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