Anthony Damico <ajdamico@gmail.com>

precisely matching one PSID statistic and standard error calculation

Patricia Berglund <pberg@umich.edu>   Mon, May 20, 2013 at 2:20 PM
To: Anthony Damico <ajdamico@gmail.com>
Cc: Steven Heeringa <sheering@umich.edu>

Hi Anthony, I downloaded some 2009 Individual PSID data and did a means analysis of
years of completed education by the domain gender. Prior to using completed education,
I set RF/DK to missing in the data step.

I used the 2009 individual cross-sectional weight plus the strata and SECU variables.
I've attached the .txt data file, the SAS program to create the data and then run the
analyses, and the codebook that is included when you download data from the PSID data
center.

Here are the results for the 2 analyses, using the default TSL. If you want other
methods, you could run them using the data/SAS code included.

Pat Berglund.

      The SURVEYMEANS Procedure

                              Data Summary

                    Number of Strata   63
                    Number of Clusters   126
                    Number of Observations   24385
                    Sum of Weights   301482853

                               Statistics

                                                      Std Error
     Variable   N   Mean   of Mean   95% CL for Mean

     ----
     completed_ed   23461   9.797017   0.089465   9.61823454
9.97579884

                   Domain Analysis: SEX OF INDIVIDUAL

        SEX OF   Std Error
     INDIVIDUAL Variable   N   Mean   of Mean   95% CL for
Mean

     ----
            1 completed_ed   11259   9.647527   0.107239 9.43322654
9.8618278
            2 completed_ed   12202   9.943074   0.082723 9.77776536
10.1083831

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                                        The SAS System           13:50 Monday, May 20,

2013   35

                                    The SURVEYFREQ Procedure


                                         Data Summary


                        Number of Strata                     63
                        Number of Clusters                  126
                        Number of Observations            24385
                        Sum of Weights                301482853



                                    SEX OF INDIVIDUAL

                                 Weighted      Std Dev of                    Std Err of
            ER32000    Frequency    Frequency      Wgt Freq     Percent         Percent
            -----------------------------------------------------------------------------
            1            11659    148094393       6225232     49.1220           0.3302
            2            12726    153388460       6221975     50.8780           0.3302

            Total        24385    301482853      12288924    100.000
            -----------------------------------------------------------------------------
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Pat

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3 attachments

📄 **psid_2009_ind_data.txt**
739K

📄 **psid codebook ind 2009 data.pdf**
39K

📄 **PSID survey analysis May 2013.sas**
3K