Subject: Weights in country-year level regressions
Posted by amil on Fri, 16 Nov 2018 18:07:44 GMT

Dear Tom,

I have a related question but I am not sure your answer below applies to my case.

In brief, I am using all DHSs and created a country-year dataset (1 observation for each survey, for a total of 185 observations). It seems to me that, when running regressions, one should use weights that reflect the size of each country. For example India should weigh more in the regression than smaller countries, say Maldives.

What is the correct way to do regression analysis in this case?

I am thinking to run:

reg y x1 x2 [aweight=n]

analytic weights because I am using means calculated from each surveys (all these means have been calculated using DHS-provided sampling weights). n is the number of observations in the survey (or perhaps one should use population instead).

Your help is as always greatly appreciated!
thanks