Subject: Re: Multi-level mixed effect Poisson regression in Stata
Posted by Shireen-DHS on Mon, 16 Aug 2021 14:44:53 GMT

Hello,

Multilevel models require a weight for each level.

The generic code for instance for two levels would be the following:

svyset v001, weight(wt) strata(v023) , singleunit(centered) || _n, weight(wt2)

v001 is the psu and v023 is the strata if using DHS data. To check the strata for older surveys please refer to the Survey_strata.do file here:
https://github.com/DHSProgram/DHS-Analysis-Code

We only supply one weight in the DHS data (v005). However, recently we have published a report to estimate the second level weight. Please refer to this report for more detail. It also contains examples and Stata code:  https://www.dhsprogram.com/publications/publication-mr27-methodological-reports.cfm

Good luck with your research.

Best,
Shireen Assaf
The DHS Program