Subject: Multilevel model with region random effects
Posted by sophia614 on Thu, 16 Feb 2023 14:08:37 GMT

Dear DHS survey specialists,

I am using the women's data in Benin 2018 to run a multilevel model with region random effects in Stata. Most of my variables are at the individual level; however, I do have one measured at the regional level. I tried running the following commands in Stata, but received an error message after the second command (see below).

svyset psu [pw = weight], psu(psu) strata(v023) singleunit(centered)
svyset: xtmixed dep ind $controls || region_recent:

xtmixed is not supported by svy with vce(linearized); see help svy estimation for a list of Stata estimation commands that
are supported by svy

I believe that I need to create level weights, but am not sure how to do so. Do I create them at the region-level (since my random effect is at the region level) or at the psu level?

Any help you can provide is greatly appreciated.

Best wishes,
Sophia