Subject: Re: Multilevel model with region random effects
Posted by Bridgette-DHS on Fri, 17 Feb 2023 13:54:52 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

In the setup for a multilevel model, level 1 would be the household and level 2 would be the psu (cluster). In 2022 we prepared a methodological report describing how to do this (https://www.dhsprogram.com/pubs/pdf/MR27/MR27.pdf). There have been several postings on the user forum which will help with this subject.

However, if your higher-level variable is (or variables are) at the level of the region, I don't think you need a multilevel model. If you had cluster-level variables, yes, but region is not part of the sample design. An individual-level model should be sufficient.