
Subject: Re: Multilevel model with region random effects
Posted by [Bridgette-DHS](#) on Fri, 31 Mar 2023 11:57:24 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

I have checked with Senior DHS Researcher, Sara Riese, and we agree that you could use a two-level model with women at level 1 and region at level 2, with 1 as the level 2 weight, because regions were not sampled. If the SPA you are using was not a census, and the facilities were sampled, then there were probably different sampling fractions for different facility types. The facility weights are proportional to the inverse of the sampling fractions for the respective facility types. The client weight accounts for the selection of the facility.

Let us know if you have further questions. For your preliminary analysis, a simplified version of svyset will be ok, but you want to be confident in the final version.
