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Subject: Municipality sampling weight  
Posted by [j\\_lewis98](#) on Wed, 19 Aug 2020 20:48:54 GMT  
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Hi,

For the SADHS 2016 I have managed to identify municipality-level location of each cluster through the matching of GADM administrative boundary shapefiles to DHS cluster GPS data; in ArcGIS. I want to use municipalities as level 3 in a multilevel logistic model: with level 1 as individuals and level 2 as households. How can I calculate the separate finalised sampling weights for each level (in particular municipality) and how would I present this in STATA code? Additinoally, would I need to account for the actual PSU (clusters) in my analysis or not?

Thanks,

Jadene

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Subject: Re: Municipality sampling weight  
Posted by [Bridgette-DHS](#) on Fri, 21 Aug 2020 16:58:57 GMT  
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

Yesterday we posted a reply to a similar question from you. Perhaps you did not have a chance to read it. We cannot offer any guidance with respect to the use of municipality in a multi-level model. Those units were not part of the sampling design. You can of course include covariates that are municipality-specific even if that is not a level in a multi-level model.

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