Subject: sample methodology
Posted by schla300 on Wed, 17 Feb 2016 02:56:41 GMT
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Hello,

I am working with the Malaria Indicator Survey for Madagascar 2013. Unfortunately my French is not the best so I am having some difficulty interpreting the Sampling Methodology of the MIS final report for Madagascar. I recently watched the dhs series of youtube videos on sample weights, and I a little confused about how to apply them for this particular dataset in SAS. In the DHS youtube videos, they said the PSU would be v021, the weight would be v005/1000000, and the stratum would be v023. When I am looking at the data, I am not seeing anything for the variable v023. I am little confused as to how I would go about applying the sample weights correctly in SAS if there is nothing for v023. Would I simply exclude the row of code: stratum v023, or would I do something different? I greatly appreciate any feedback and suggestions, thank you!

Subject: Re: sample methodology
Posted by Liz-DHS on Wed, 17 Feb 2016 15:39:57 GMT
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Dear User,
A response from one of our experts, Cameron Taylor:
Quote:
Hi, I am glad you were able to use the Sampling and Weight YouTube video to help guide your initial analysis, however, Madagascar is very unique in that the sampling strategy is designed around malaria endemicity zones. In looking at the "ÉCHANTILLONNAGE" section of Appendix A on page 93 of the final report you will see that the 4 epidemiological facies were stratified into urban and rural, with the sub-desert facie composed only of rural areas. This creates a total of 7 sampling strata. Since this is not a pre-made variable in the Madagascar 2013 dataset you will have to create one to use.
Here is a Stata command to help you create that variable. You can use the same logic to create a variable in SAS.

g strata=shfacies
replace strata = shfacies*100 if hv025==2
svyset [pw=hhwgt], psu(hv021) strata(strata)