Subject: Weighting appended samples using different countries' KR data files.
Posted by Melese on Thu, 16 Sep 2021 09:02:35 GMT
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Dear Experts, greetings.
I appended KR data files from different countries for further analysis.
I created a sample weight, wgt (gen wgt=v005/1000000)for each country's data file before the append.
I then appended the files and started the further analysis. Am I wrong, please?
Should I de-normalize the women's individual sample weights (v005) before the append? If so, how can I do it, please?
thank you in advance.
Regards

Subject: Re: Weighting appended samples using different countries' KR data files.
Posted by Bridgette-DHS on Thu, 16 Sep 2021 15:38:32 GMT
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There have been many similar postings on this topic - see two such posts below:

 https://userforum.dhsprogram.com/index.php?t=msg&goto=36 2&&srch=pooling#msg_362
 https://userforum.dhsprogram.com/index.php?t=msg&goto=35 70&&srch=pooling#msg_3570

You can also access the FAQs page to read about normalization:

https://dhsprogram.com/data/analysis-faqs.cfm #4. What is the normalization of weights?

If these do not provide enough information, please search the user forum for additional posts, using strings like: "pooling", "appending", "normalize'.

Subject: Re: Weighting appended samples using different countries' KR data files.
Posted by Bridgette-DHS on Thu, 16 Sep 2021 18:21:17 GMT
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Following is a response from DHS Senior Sampling Specialist, Mahmoud Elkasabi:

There have been many postings about the weights in appended files. We have an FAQ about normalized weights (see #4 under weights section):
https://dhsprogram.com/data/analysis-faqs.cfm . Equations and Stata code for de-normalization have been presented in MR27: https://www.dhsprogram.com/pubs/pdf/MR27/MR27.pdf

Note that if you do a full denormalization, then the pooled results will be dominated by the largest country. An alternative is to give equal weight to each survey. The options are discussed in

previous postings.

Subject: Re: Weighting appended samples using different countries' KR data files.
Posted by Melese on Fri, 17 Sep 2021 02:30:24 GMT

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Thank you Bridgette and Mahmoud for the timely responses. I always appreciate.
So, given the alternatives and risks of majority dominance, I chose the "equal weight for each survey" alternative.
That is I generate individual sample weight var, wgt for each survey before appending.
gen wgt= v005/1000000 and then append. I hope I am not wrong.
Regards.

Subject: Re: Weighting appended samples using different countries' KR data files.
Posted by Bridgette-DHS on Fri, 17 Sep 2021 15:02:25 GMT

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Following is a response from DHS Senior Sampling Specialist, Mahmoud Elkasabi:

I'm afraid that appending the surveys as you described is not correct because surveys with large sample size will dominate the analysis regardless of the country size. I would advise you to take another look at the posted discussions on this issue as we mentioned earlier.