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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

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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=362&&srch=pooling#msg\\_362](https://userforum.dhsprogram.com/index.php?t=msg&goto=362&&srch=pooling#msg_362)

[https://userforum.dhsprogram.com/index.php?t=msg&goto=3570&&srch=pooling#msg\\_3570](https://userforum.dhsprogram.com/index.php?t=msg&goto=3570&&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".

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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.

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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.

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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.

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