Subject: De-normalizing and weighting data for multiple countries
Posted by bwbennett09 on Tue, 31 Mar 2015 16:25:38 GMT

I am completing an analysis on eight nations in sub-Saharan Africa. I am interested in the relationship between HIV status (outcome) and measurements of women's empowerment (education, employment, etc.) I have read that I need to de-normalize my data and then weight it appropriately for population-level analyses. My questions, exactly how do I de-normalize this data (I have read a lot about multiplying weights v005*population) and then how would I weight the dataset across the 8 nations. I already have one giant dataset with the HIV data and other interested measurements for the 8 nations.

If it helps, these are the nations I am using:
DRC
Gabon
Guinea
Liberia
Mali
Niger
Namibia
Sierra Leone

Thanks for your help!

Subject: Re: De-normalizing and weighting data for multiple countries
Posted by Trevor-DHS on Wed, 01 Apr 2015 19:40:44 GMT

If you don't need a pooled dataset, i.e. you are producing separate results for each country, then we recommend running analyses on separate datasets rather than pooling data together. In that case you don't need to worry about denormalization.

If you need a pooled dataset, then use the denormalization process to create a new weight variable, then use the new weight variable in place of the standard weight variable. Note that with pooled datasets you should continue to use svy commands (or the equivalent if using software other than Stata) and define strata codes that are unique to each survey.