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Subject: Re: Weighting in multilevel model with pooled data

Posted by [dgodha](#) on Tue, 13 Feb 2018 13:30:26 GMT

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Hi Tom,

I have found the following options on weighting for a two-level structure:

1. Assume equal probability sampling at group level

2. Rescale the weights The references for the above are as follows:

- Carle, A. Fitting multilevel models in complex survey data with design weights:

Recommendations. BMC Medical Research Methodology, 2009 9:49.

- Rabe-Hesketh and Skrondal. Multilevel modeling of complex survey data. J. R. Statist. Soc. A (2006) 169, Part 4, pp. 805827

- Stata MultiLevel Mixed-Effects Reference Manual, Chapter: mixed- Multilevel mixed-effects linear regression, Section: Survey data I am trying to apply the above to melogit. And this is only related to sampling part for each survey.

I have to still figure out how to apply the weighting for pooling across countries or time (if I decide to use DHS within country to improve my sample size).

Any suggestions are welcome

Many thanks

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