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Subject: Re: Pooled logistic regression

Posted by [Bridgette-DHS](#) on Thu, 15 Aug 2024 14:02:04 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

Yes, you need a variable such as survey=1, 2, 3, which I easily constructed during the appending process. In the analysis you can treat "survey" as a categorical predictor or convert it to dummies.

We recommend that you leave the weights as they are. You only need to adjust the weights if you want to construct a pooled estimate of something, for example the median age at first marriage, and I really don't believe such an pooled estimate has any value. The main reason for appending surveys from the same country is to see whether there has been significant CHANGE between surveys, and for that purpose you should leave the weights alone. If you do that, the analysis will weight each survey in proportion to its sample size, and for efficient statistical estimation that's what you want.

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