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Subject: Clustering Respondents in Child Data for Analysis

Posted by [MDuncan](#) on Fri, 29 Aug 2014 22:00:55 GMT

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I am using the Child Recode data and as I run my analysis, I note that there may be more than one child under five to each respondent. As I am looking for predictors of specific actions (e.g. maternal education and use of bed net the previous night, etc.) I assume that I need to account for the fact that one respondent (mother) may be respond for all of her children under five and not treat each child as independent (if there is more than one child per respondent). Is anyone familiar with how to cluster the respondents in multinomial regression models using STATA?

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Subject: Re: Clustering Respondents in Child Data for Analysis

Posted by [Reduced-For\(u\)m](#) on Sat, 30 Aug 2014 01:37:57 GMT

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If you are accounting for survey design by clustering on the Primary Sampling Unit then you shouldn't need to worry about it. If you don't want to use the "svy" command described in the FAQs, then you could do it manually, using something like:

```
reg Y X [pweight=weight], cluster(PSU)
```

...this will work without the weighting, and clustering in this manner on the PSU subsumes the household/maternal clustering (meaning it also accounts for that clustering). Depending on the right-hand-side variables of interest, you may need to cluster at a "higher" level, but for standard regression approaches clustering on PSU is generally recommended by the DHS folks.

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Subject: Re: Clustering Respondents in Child Data for Analysis

Posted by [MDuncan](#) on Tue, 09 Sep 2014 15:28:31 GMT

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Thank you!

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