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Subject: Multilevel modelling

Posted by [denis](#) on Sun, 24 Sep 2017 15:10:46 GMT

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Dear DHS team, i am using pooled DHS data from 21 countries. I am doing a multilevel analysis with individuals at the first level and countries at the second level. (Initially, i wanted to do the modelling at 3 levels namely; individual, cluster (PSU) and country level, however, the average number of women per cluster was 19 and the median was 18 which i felt was too small to derive cluster level aggregates.

My questions are as follow;

(1) Can i do the modelling at 2 levels (individual and countries) since my average cluster size is small or is the cluster size appropriate (average of 19 women per cluster)?

(2) I intend to use some world bank development indicators in my model as country level factors such as GDP per capita, PPP, however, some DHS survey span over 2 years for example Rwanda DHS was done in the year 2014-2015, Congo DR 2013-2014. For these countries which year is appropriate when selecting for instance GDP.

Thanks

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