
Subject: Multilevel modeling in DHS-Sri Lanka

Posted by dga1n@soton.ac.uk on Sat, 24 Nov 2018 20:52:44 GMT

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Dear DHS specialists,

For the first time as I have noticed, I am doing Multilevel analysis on DHS-2016 Sri Lanka. This data is country specific and the codes seem different from the standard way. . Like the other DHS datasets I could not see variable called hv021 (primary sampling unit) but there is variable called cluster number, so I am using this as my PSU, without doing any alterations.

My questions are

1. I am using `xtmelogit low_birth_wt , || QACLUST ;, covariance(independent)` STATA command which is low birth weight is a binary variables and cluster as PSU. Is this correct?
2. For null model I used the above command, which shows ICC of 7%..which does not show significant variance. Hence I used household ID as a next level.`xtmelogit low_birth_wt , || hhid,` which shows the ICC of 50%.

I need to know whether my path is correct and the variables I am using are correct. It is extremely hard to deal with different variables.

Kindy help me to sort out this.

Thanks in advance

Gaya