Subject: how to reproduce malawi 2004 published sampling errors and deft values
Posted by ajdamico on Tue, 29 Apr 2014 09:21:33 GMT
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i am trying to figure out the stata (or any statistical language) setup required to match the statistics, standard errors, and design effects published in this official document:
http://dhsprogram.com/pubs/pdf/FR175/19AppendixB.pdf

i have attached an easy-to-read PDF, a runnable do file, and the screen output when running that do file.

my comments throughout the script should explain all of my attempts at matching the standard errors and DEFT values for the..

Never married
Children ever born
Children ever born to women age 40-49

..rows of PDF page 5 of the appendix. (direct link - http://dhsprogram.com/pubs/pdf/FR175/19AppendixB.pdf#page=5). i am able to hit the standard errors, but never the DEFT values. and i am hitting the SEs without the jackknife technique, which is not what the paper says.

could i get some advice about the appropriate setup to hit these numbers on the nose? :)

possibly related- i noticed that the microdata i'm using (downloadable here http://dhsprogram.com/data/dataset/Malawi_Standard-DHS_2004. cfm?flag=1) have a date modified of 8/16/2011 but the report that this appendix b that i'm trying to replicate was published in december of 2005 (full report: http://dhsprogram.com/pubs/pdf/FR175/FR-175-MW04.pdf#page=32 0).. is it possible that any of the records were edited?

also possibly related- the paper says, "In the 2004 MDHS, there were 522 non-empty clusters. Hence, 521 replications were created." but the way i'm defining the clusters, i get 858 of them .. and stata indicates that means there are 858 replications calculated. perhaps i'm just missing some option?

thanks!!!!

File Attachments

1) 20140429 malawi 2004 replication attempt.pdf, downloaded

814 times
2) 20140429 malawi 2004 replication screen output.txt, downloaded 1152 times
3) 20140429 malawi 2004 replication attempt.do, downloaded 729 times