Subject: how to reproduce Ghana DHS 2014 published sampling errors and deft values Posted by kwamena on Sat, 28 Nov 2020 14:23:55 GMT

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how to reproduce Ghana 2014 published sampling errors and deft values with Jackknife repeated replication method in stata

Subject: Re: how to reproduce Ghana DHS 2014 published sampling errors and deft values Posted by Bridgette-DHS on Fri, 11 Dec 2020 13:26:26 GMT View Forum Message <> Reply to Message

Following is a response from DHS Lead Statistician, Ruilin Ren:

ICF developed a SAS package for sampling error calculations which produces the Appendix B in the DHS final report. This package uses the SAS PROC SURVEYMMEANS for variance calculation, but this SAS PROC does not calculate the Design Effect (DEFT). The DEFT in appendix B is calculated using an ICF developed module in the package. The DEFT is calculated as the square root of the ratio of variance calculated by PROC SURVEYMEANS, divided by the estimated variance of the same indictor, if the sample had been selected by simple random sampling without replacement. This second component is easy to calculate because it is basically to estimate the population variance based on the survey data.

Hope this helps

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