
Subject: Cannot replicate NAR for multiple Cambodia DHS surveys

Posted by [MPerrot](#) on Tue, 15 Nov 2022 15:00:38 GMT

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Hello,

I am working on DHS data for Cambodia, using 4 databases - the ones compiled in 2000, 2005, 2010 and 2014.

I have the following issue: when computing the Net Attendance Ratio using the DHS methodology specified on Github (<https://github.com/DHSProgram/DHS-Indicators-R/commit/90f08e6c908fd13fee8f78939a4a0ef45454002f#diff-444cb1ceb74b4400ffebc578d6b13b6fb4a9966d5519a6faabd324395fe95666> --> R version), I do not find results similar to those of the official final report.

I don't believe it is because of my code, I have checked for errors multiple times and also tried using the official code from Github with no additional modification than those absolutely necessary (path name...): I still do not find the correct ratios. However, by tweaking the start of school year and start of school year month imputations, I manage to find adequate results, using start of the year 2000 and start of the month 6 or 7 (for June or July). I had previously used year 1999 and month 10, as UNESCO indicates that "For primary to post-secondary education, the academic year begins in October and ends in July" (<https://uis.unesco.org/en/country/kh> under "Education and Literacy" > "Education system")

Therefore my question is the following: would it be possible to obtain the values used to compile DHS report for

- beginning of the school year,
 - beginning month of the school year,
- for all my needed Cambodia data (2000, 2005, 2010, 2014) ?

Thank you very much for your help.

M. Perrot

Subject: Re: Cannot replicate NAR for multiple Cambodia DHS surveys

Posted by [Janet-DHS](#) on Tue, 22 Nov 2022 21:21:08 GMT

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Following is a response from DHS Senior Technical Director, Trevor Croft:

For the 2014-15 survey, the start of the school year was year=2014 and month=10. For the 2010 and 2005 surveys, there was no adjustment for the start of the school year. Age of the household member was used directly from the household schedule. We don't have the code for the 2000 survey, but believe it was the same as for 2005 and 2010.
