Subject: Replication of table 2.26 School attendance by state/union territory in the India Country Report

Posted by biswaj41_ssf on Thu, 11 Aug 2022 06:45:00 GMT

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Dear members,

I am replicating the "table 2.26 School attendance by state/union territory" as presented in India Country Report (Page No. 64). However, I am getting slightly different statistics and the results are not exactly matching. The code is stated below. As well, the STATA do file is attached with this topic. I request this community to look into codes and suggest me way forward. Any help will be highly appreciated. Thank you very much in advance.

- *Replication of the "Table 2.26 School attendance by state/union territory" in the India National Report (NFHS-5)
- * Setting maximum variable set maxvar 12000
- * Prepare IR File
- * Import data

use "E:\NIUA\3_Data\NFHS-5_Unit Level Data\IAIR7ADT\IAIR7AFL.DTA", clear

tab v133

tab v140

tab v140 [iweight = v005]

keep v024 v001 v002 v003 v011 v024

gen in_IR=1

rename v024 hv024

rename v001 hv001

rename v002 hv002

rename v003 hvidx

sort hv024 hv001 hv002 hvidx

save "E:\NIUA\3_Data\NFHS-5_Unit Level Data\Calculation for school attendance and new age\IAIR7AFL.DTA", replace

* Prepare MR file for merge

use "E:\NIUA\3_Data\NFHS-5_Unit Level Data\IAMR7ADT\IAMR7AFL.DTA", clear keep mv024 mv001 mv002 mv003 mv011 mv024

gen in MR=1

rename mv024 hv024

rename mv001 hv001

rename mv002 hv002

rename mv003 hvidx

sort hv024 hv001 hv002 hvidx

save "E:\NIUA\3_Data\NFHS-5_Unit Level Data\Calculation for school attendance and new age\IAMR7AFL.DTA", replace

* Prepare BR file for merge

use "E:\NIUA\3 Data\NFHS-5 Unit Level Data\IABR7ADT\IABR7AFL.DTA", clear

keep v024 v001 v002 b16 b1 b2 b3

gen in_BR=1

rename v024 hv024

rename v001 hv001

rename v002 hv002

rename b16 hvidx

sort hv024 hv001 hv002 hvidx

save "E:\NIUA\3 Data\NFHS-5 Unit Level Data\Calculation for school attendance and new age\IABR7AFL.DTA", replace

* Prepare PR file for merge

use "E:\NIUA\3_Data\NFHS-5_Unit Level Data\IAPR7BDT\IAPR7BFL.DTA", clear gen in_PR=1

sort hv024 hv001 hv002 hvidx

save "E:\NIUA\3 Data\NFHS-5 Unit Level Data\Calculation for school attendance and new age\IAPR7BFL.DTA", replace

* Using PR File

use "E:\NIUA\3 Data\NFHS-5 Unit Level Data\Calculation for school attendance and new age\IAPR7BFL.DTA", clear

* Merge with BR

sort hv024 hv001 hv002 hvidx

merge hv024 hv001 hv002 hvidx using "E:\NIUA\3 Data\NFHS-5 Unit Level Data\Calculation for school attendance and new age\IABR7AFL.DTA"

rename merge merge PR BR

tab1 in *,m

drop if in PR==.

sort hv024 hv001 hv002 hvidx

* Merge with IR

merge hv024 hv001 hv002 hvidx using "E:\NIUA\3_Data\NFHS-5_Unit Level Data\Calculation for school attendance and new age\IAIR7AFL.DTA"

rename merge merge PR IR

tab1 in_*,m

drop if in PR==.

sort hv024 hv001 hv002 hvidx

* Merge with MR

merge hv024 hv001 hv002 hvidx using "E:\NIUA\3_Data\NFHS-5_Unit Level Data\Calculation for school attendance and new age\IAMR7AFL.DTA"

rename merge merge PR MR

tab1 in *,m

^{*} program define merge files

```
drop if in_PR==.
sort hv024 hv001 hv002 hvidx
gen cmc_of_birth=.
replace cmc_of_birth=b3 if in_BR==1
replace cmc_of_birth=v011 if in_IR==1
replace cmc_of_birth=mv011 if in_MR==1
save "E:\NIUA\3_Data\NFHS-5_Unit Level Data\Calculation for school attendance and new age\merged_with_PR.dta", replace
```

*_____

- * Determining the CMC of the academic year gen cmc_acadyr = ((hv007 -1900)*12+m_acadyr) if m_acadyr >= hv006 replace cmc_acadyr = ((hv007-1-1900)*12+m_acadyr) if m_acadyr < hv006
- * Generating age gen age_schl= . replace age_schl = int((cmc_acadyr - cmc_of_birth) / 12)
- * Age groups gen age_schl_group = . replace age_schl_group = 1 if age_schl >=6 & age_schl <=14 replace age_schl_group = 2 if age_schl >=15 & age_schl <=17
- * value level define of age groups label define age_schl_group 1 "6-14 years" 2 "15-17 years", modify label values age_schl_group age_schl_group
- * Share of children attending school withing age group of 6 to 17 years tab age_schl_group hv121 [aweight = hv005/1000000] if hv103==1, row nofreq
- * Share of children attending school withing age group of 6 to 17 years across states tab hv024 hv121 [aweight = hv005/1000000]if hv103==1 & age_schl_group ==1 | age_schl_group ==2, row nofreq

File Attachments

- 1) Table 2_26 School attendance by state_union territory.do, downloaded 443 times
- 2) Table 2_26 School attendance by state_union territory.do, downloaded 277 times
- 3) Table 2_26 School attendance by state_union territory.do,

^{*} Month of the start of the academic year (April: 40 gen m_acadyr= 4

Subject: Re: Replication of table 2.26 School attendance by state/union territory in the India Country Report

Posted by Bridgette-DHS on Thu, 11 Aug 2022 12:48:56 GMT

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Following is a response from DHS Senior Analysis & Research Manager, Shireen Assaf:

Please check our standardized code on GitHub at https://github.com/DHSProgram/DHS-Indicators-Stata.

Specifically check the code for Chapter 2 (Chap02_PH) and the PH_SCHOL.do file. Please read the notes for this do file since you need to make some country-specific adjustments to get the correct year and month of the school calendar and age range for school attendance from the UNESCO website.