
Subject: NFHS-5, table 11.17 problems
Posted by [Lincoln](#) on Sat, 16 Jul 2022 10:23:48 GMT
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HI,

I am new to R environment and trying to replicate the table 11.17 in NFHS-5 country report.

I have two problems

1. The outputs are not matching with the table result.
2. The calculation to generate the variable

I am not sure where I am making the mistakes using PR file: IAPR7AFL.dta

File Attachments

1) [DHS.html](#), downloaded 231 times

Subject: Re: NFHS-5, table 11.17 problems
Posted by [Janet-DHS](#) on Wed, 20 Jul 2022 20:35:11 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

Because the units of analysis are households, I looked for the relevant variables in the HR file. They are survey-specific variables sh73 and sh74*. You can get the table (except for recoding the states into groups) with the following commands

```
use hv005 hv024 sh73 sh74* using "...IAHR7AFL.DTA", clear
```

```
tab1 sh73 sh74*  
label list SH73
```

```
gen not_public=0  
replace not_public=100 if sh73>=30
```

```
local letters a b c d e x  
foreach ll of local letters {  
  gen sh74`ll'_100=sh74`ll'*100  
}
```

```
tabstat not_public sh74*_100 [fweight=hv005], statistics(mean) by(hv024) format(%6.1f)
```

Subject: Re: NFHS-5, table 11.17 problems
Posted by [Lincoln](#) on Thu, 21 Jul 2022 12:54:29 GMT
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Thanks a lot for the kind response.

The responses are in STATA code! Will it be possible to send the corresponding R codes.

Regards
Lincoln

Subject: Re: NFHS-5, table 11.17 problems
Posted by [Lincoln](#) on Thu, 21 Jul 2022 21:28:56 GMT
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Great help.

Please find attached the updated file. Though the results are almost same but are not exactly the same.

Not sure , what is the problem? I have used both survey and svyr packages.

Regards
Lincoln

File Attachments

1) [DHS.Rmd](#), downloaded 526 times

Subject: Re: NFHS-5, table 11.17 problems
Posted by [Janet-DHS](#) on Mon, 01 Aug 2022 16:26:34 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

The main difference I see is that Table 11.17 omits a column for "other" reasons, given by sh74x. Perhaps the other differences are related to how that column was handled. Otherwise the differences in percentages are very small. This is a non-standard table and we cannot put more effort into trying to get an exact match.

The only necessary adjustment for the survey design is the use of weights. Adjustments for clustering and stratification do not affect point estimates.

Subject: Re: NFHS-5, table 11.17 problems
Posted by [Lincoln](#) on Tue, 02 Aug 2022 17:00:06 GMT
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Thanks a lot

Regards
