
Subject: Reproducing Haiti Net School Attendance Rates
Posted by [bk-Berkeley](#) on Sat, 11 Mar 2017 22:39:40 GMT
[View Forum Message](#) <> [Reply to Message](#)

I'd like to do differential analysis of Net School Attendance Rates on Haiti from the 1995, 2000, 2006, and 2012 data sets (I'm specifically using HTPR31FL.DTA, HTPR42FL.dta, HTPR52FL.DTA, HTPR61FL.DTA). However, I am calculating very different values even at the national level than I get when I use the STATcompiler or when looking at the respective reports.

See attached for a screen shot from STATcompiler.

I've looked over the forum and found this posting which deals with a similar issue (<http://userforum.dhsprogram.com/index.php?t=tree&th=90&a mp;>), but when I run the code provided there I am still not able to reproduce the numbers STATcompiler is reporting. The greatest divergence is in 2006 where I'm getting about 80% and STATcompiler is reporting about 50%.

The most straightforward code I'm running is in STATA:

```
gen wgt=hv005/1000000  
tab hv121 if inrange(hv105,5,12) [iw=wgt]
```

Any assistance would be much appreciated! I want to make sure I'm looking at the right specification before digging down into lower administrative levels.

File Attachments

1) [statComilerHaitiEducNat.png](#), downloaded 728 times

Subject: Re: Reproducing Haiti Net School Attendance Rates
Posted by [Bridgette-DHS](#) on Fri, 17 Mar 2017 14:41:54 GMT
[View Forum Message](#) <> [Reply to Message](#)

Following is a response from DHS Senior Research Associate, Lindsay Mallick:

A similar issue was addressed on the forum in Feb 2013. See http://userforum.dhsprogram.com/index.php?t=tree&th=90&a mp;#page_top, which provides some Stata code written by Kerry MacQuarrie that explains the coding process for these variables. Applying that code to the Haiti 2006 dataset, the percentages do indeed match statcompiler and the final report. The problem with your code is in the use of hv121 (member attended school in the current year) rather than hv122 (education level during current school year). You should re-run using hv122 instead of hv121. Please let us know if this does not work. You can also look at the new video on matching DHS tables: <https://www.youtube.com/playlist?list=PLagqLv-gqpTMU3avlnBDo dTWCazURy4CT>.

Subject: Re: Reproducing Haiti Net School Attendance Rates

Posted by [bk-Berkeley](#) on Tue, 21 Mar 2017 07:26:41 GMT

[View Forum Message](#) <> [Reply to Message](#)

Thank you for the assistance!

1) 2000 and 2006

If I make the following adjustments to Kerry MacQuarrie Stata code: 1) change hv121 to hv122 (per your instructions) and 2) change the range from 5,12 to 6,11 (since inrange is inclusive).

I get mostly the same, though some are off by as much as one percentage point of the numbers provided from StatCompiler for both 2006 and 2000 at the Departement and national levels. I'm not sure why I'm still not able to match perfectly and any additional suggestions would be most welcome!

The new code looks like:

```
tab hv122 hv024 if inrange(hv105,6,11) [iw=wt], col
```

2) 2012

In addition, I've also noticed that the StatCompiler numbers for 2012 are different then the "Taux

29). What is the difference in how these two measurements are being calculated?

In terms of matching the StatCompiler, I've not been successful, however, the following gets very close (though again still not matching) for the attached screenshot:

```
tab hv122 shregnew if inrange(hml16,6,11) [iw=wt], col
```

So additional help here would be appreciated.

3) 1995

Finally, when looking at 1995, we no longer have the hv122 variable. I'm wondering if using hv110 is appropriate? This is what that looks like:

```
tab hv110 shdepart if inrange(hv105,6,11) [iw=wt], col
```

Again, many thanks!

File Attachments

1) [2012_tableau2_10.png](#), downloaded 635 times

Subject: Re: Reproducing Haiti Net School Attendance Rates

Posted by [Liz-DHS](#) on Fri, 24 Mar 2017 13:12:29 GMT

[View Forum Message](#) <> [Reply to Message](#)

Dear User, We are still looking into this but here is what we have found so far. From technical expert, Mr. Han Raggars:

Quote:

Regarding point 2 below:

If I run the original survey application I do match the NAR for primary and secondary with the STATcompiler data. Also the GAR for secondary is the same. The only difference I see is for the GAR for primary. The reason being that the SC standardizes on ages 5-24 for this table, while Haiti used 6-24.

It also means that there may be something wrong with the report table 2.10, p. 29, for 2012.

It will be hard to replicate this tables in STATA since we impute for missing age at beginning of the school year. For that we use a seed generator. Even running this table with newer versions of CSPPro will give slightly different results because the seed generator changed in version 6.0 of CSPPro (I think).

I attach the table as it is produced by the survey application (defacto 6-24, primary school age 6:24 and secondary school age 12:17).

Thanks,

Han.

and

Quote:

Some notes on point 3 below:

Indeed based upon HV110 for defacto population 6-24 as in:

```
box hhage => hhage5; // hhage comes from HV105
```

```

6-10 => 0;
11-15 => 1;
16-20 => 3;
21-24 => 4;
    => notappl;
endbox;
hv025w = HV025;
if !special(hhage5) then    // ie not not applicable
    t = xtab(t205, rweight); // this is the general population
    if HV110(i) = 1 then
        t = xtab(t205w, rweight); // this is the school attending population
    endif;
endif;
endif;

```

Quote:

at the end of the run one divides the school attending population by the general population (as in $t205 = t205w * 100 / t205$).

With this one should be able to match the 1994 report.

Cheers,

File Attachments

1) [T213.doc](#), downloaded 613 times

Subject: Re: Reproducing Haiti Net School Attendance Rates

Posted by [geoK](#) on Mon, 24 Sep 2018 16:44:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello, I am also trying to replicate the Ghana_edu.do calculations as illustrated in do file uploaded by K. MacQuarrie in 2013, but for Malawi 2015-16.

I am interested in Secondary attendance rate, and therefore, following indications from the final report, I am restricting to age range 14-17.

```
tab hv122 if inrange(hv105,14,17) [iw=wgt]
```

I get 15.4% (freq. 1,661.6441), instead of 17.7% (statcompiler) 17.4% (report - Table 2.13 School attendance ratios).

Any idea on what am i doing wrong, please? Thanks for your time!

Subject: Re: Reproducing Haiti Net School Attendance Rates

Posted by [geoK](#) on Thu, 27 Sep 2018 18:19:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

Any advice on this, please? thank you!

geoK wrote on Mon, 24 September 2018 12:44Hello, I am also trying to replicate the Ghana_edu.do calculations as illustrated in do file uploaded by K. MacQuarrie in 2013, but for Malawi 2015-16.

I am interested in Secondary attendance rate, and therefore, following indications from the final report, I am restricting to age range 14-17.

```
tab hv122 if inrange(hv105,14,17) [iw=wgt]
```

I get 15.4% (freq. 1,661.6441), instead of 17.7% (statcompiler) 17.4% (report - Table 2.13 School attendance ratios).

Any idea on what am i doing wrong, please? Thanks for your time!

Subject: Re: Reproducing Haiti Net School Attendance Rates

Posted by [Liz-DHS](#) on Fri, 28 Sep 2018 21:41:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

Dear User,

We have an updated Guide to DHS Statistics. It is fully searchable and has a section on "school attendance rates". After reviewing this resource, if you still have questions, please feel free to post again. Thank you!
