
Subject: Computing Education Indicators using STATA
Posted by [ladokofie](#) on Wed, 20 Mar 2013 16:14:23 GMT
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How can I compute the following education indicators from the DHS household member file using STATA?

1. Net School Attendance Rates (i.e. primary or secondary school attendance rates)
2. Out-of-school Rates
3. School completion Rates (i.e. primary or secondary school completion rates)
4. Average Years of Education.

Do-file for above calculations will be helpful and highly appreciated.

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I have been struggling with how to generate or compute the following education indicators from the DHS household member recode using STATA for further analysis of educational inequality in Ghana:

1. Net School Attendance Rates (i.e. primary or secondary school attendance rates)
2. Out-of-school Rates
3. School completion Rates (i.e. primary or secondary school completion rates)
4. Average Years of Education.

I know that the indicators can be computed or generated from HV106 to HV110 and HV121 to HV129 (education variables in DHS household member recode) with the household members age variable (HV105). However, I don't know how to go about it using STATA. I would want to generate these education indicators in STATA to enable me to use them for further analysis in STATA (i.e. using these indicators as dependent variables in regression analysis and Concentration Index Decomposition Analysis of Educational Inequality).

I have put this on MEASURE DHS User Forum but so far no reply.

A Do-file for generating and/or calculating the rates above will be helpful and highly appreciated.

I would be very grateful if you could assist me.

Thank you.

Subject: Re: Computing Education Indicators using STATA
Posted by [Bridgette-DHS](#) on Thu, 04 Apr 2013 18:18:08 GMT
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I am attaching a Stata syntax file that will run the tabulations you are interested in. Please note, that education is not my primary area of research. Therefore, there may be some standards in the

definitions of attendance, out-of-school, and completion rates that I am unfamiliar with. For example, these rates may be restricted to a certain age range that relates to the age/number of years in the primary or secondary schooling system. I have included examples of how to restrict the age where I thought it may be relevant, but you may need to change the age cut points, as the ones in my examples are only my best guess.

I also include code to weight the data when producing the tabulations as a matter of practice. This will have minimal effect if you are simply interested in the overall rate (the unweighted and weighted proportions are nearly identical), but becomes more important if you want to examine the rates by region, urban/rural area, or other factor.

Finally, I have written this syntax assuming you are using the 2008 Ghana DHS. If you are using a different year, you may want to verify that the variable names have remained the same.

Bridgette-DHS

File Attachments

1) [Ghana_edu.do](#), downloaded 1933 times

Subject: Re: Computing Education Indicators using STATA

Posted by [dhiman](#) on Tue, 14 May 2013 09:17:51 GMT

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Thank you so much for the codes - I was stuck with this for a very long time (so thanks to the OP as well).

However, using Indian Data for 2005-06, I could not replicate the Table 2.9 (School attendance by state) on page 33 of

[http://www.measuredhs.com/pubs/pdf/FRIND3/FRIND3-Vol1AndVol2 .pdf](http://www.measuredhs.com/pubs/pdf/FRIND3/FRIND3-Vol1AndVol2.pdf)

Any suggestions ?

Also any idea why variables like hv121 are coded as no(0), 2 and 9?

Best Regards

Subject: Re: Computing Education Indicators using STATA

Posted by [elan12](#) on Mon, 27 May 2013 11:34:06 GMT

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I am in the field of research too and I have been working on a similar assignment. Thanks for sharing great insight here.

Subject: Re: Computing Education Indicators using STATA

Posted by [Liz-DHS](#) on Fri, 06 Sep 2013 11:33:16 GMT

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Dear User,

HV121 in our standard recode dictionary has the following value labels:

No 0
Currently attending 1
Attended at some time 2
Missing 9
Not applicable

For additional information on how our standard country report tables are calculated, please take a look at our [Guide to DHS Statistics](#)

http://www.measuredhs.com/pubs/pdf/DHSG1/Guide_to_DHS_Statistics_29Oct2012_DHSG1.pdf
and our [Standard Recode Manual\(s\)](#)

http://www.measuredhs.com/pubs/pdf/DHSG4/Recode6_DHS_22March2013_DHSG4.pdf

Thank you!

Subject: Re: Computing Education Indicators using STATA

Posted by [Liz-DHS](#) on Mon, 27 Jan 2014 19:26:01 GMT

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Dear User,

In CPro the table definitions for Table 2.9 School attendance by state on page 33 of the final report are as follows:

```
crosstab float(1) t205a total+hhage6+hhage7+north+central+east+noreast+west+south
          hhsex*(hv025w1+total)+hv025w1+total
exclude(rowzero,colzero,percents,totals,specval)
title("Table 2.9 School attendance by state", " ",
      "Percentage of de facto household population age 6-17 years attending",
      " school in the 2005-06 school year by sex, residence, age, and state,",
      " India, 2005-06" )
stub("State" );
```

Row variables"

Total Total

hhage6 Age

1 6-10 years

2 11-14 years

3 15-17 years

hhage7 Age

1 6-14 years

2 6-17 years
North
Delhi 1
Haryana 2
Himachal Pradesh 3
Jammu & Kashmir 4
Punjab 5
Rajasthan 6
Uttaranchal 7

Central
Chhattisgarh 1
Madhya Pradesh 2
Uttar Pradesh 3

East
Bihar 1
Jharkhand 2
Orissa 3
West Bengal 4

Noreast
Arunachal Pradesh 1
Assam 2
Manipur 3
Meghalaya 4
Mizoram 5
Nagaland 6
Sikkim 7
Tripura 8

West
Goa 1
Gujarat 2
Maharashtra 3

South
Andhra Pradesh 1
Karnataka 2
Kerala 3
Tamil Nadu 4

Column variable:
hhsex
1 male
2 female

Layer variable:
(hv025w1+total)
1 urban
2 rural

hv025w1
1 urban
2 rural
Total

t205aw is a working table

```
crosstab float(1) t205aw total+hhage6+hhage7+north+central+east+noreast+west+south  
          hhsex*(hv025w1+total)+hv025w1+total  
exclude(rowzero,colzero,percents,totals,specval)
```

Subject: Re: Computing Education Indicators using STATA

Posted by [doc14163](#) on Tue, 22 Sep 2015 09:05:50 GMT

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Dear Users

I am trying to compute education indicators(completion, enrollment etc) using stata and DHS cameroon.

How ever i have some difficulties. I can equally not download a sample code posted here.

I don't know if anybody can post a sample code

Subject: Re: Computing Education Indicators using STATA

Posted by [Trevor-DHS](#) on Wed, 28 Oct 2015 13:47:28 GMT

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Doc14163 - you say you are having some difficulties, but that is very vague. Please explain the specific difficulties you are having and post your code, and then someone may be able to provide assistance.