
Subject: question on net attendance rate (NAR)
Posted by [hanmeiying](#) on Fri, 30 Aug 2013 18:38:33 GMT
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I wonder how they develop the net school attendance rate on bangladesh report 2011 page 26.
I was able to match other numbers, but not this one.

Here is how I did it.

Use household membership file,

delete those non defacto member using hv103

choose age between 6 -10 for primary school attendance ratio calculation

then use survey weight estimation of v005/10000000

the education variable I used is hv122, school attendance: primary if hv122==1 and secondary if hv122 ==2

The proportion of 6 -10 year age group net attendance ratio for primary school is 78% from my estimation instead of 74.8!

Please anyone, let me know if you have any idea why this is so.

Subject: Re: question on net attendance rate (NAR)
Posted by [Liz-DHS](#) on Thu, 31 Oct 2013 19:40:54 GMT
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Dear User,

I am not a programmer, but here is some code from our standard tables to calculate School Attendance Ratios. It's in CSPro, but may provide some guidance by looking at some of the logic.

```
crosstab float(1) t213 hv025w+hv024w+hv270w+total attrat*(hhsex+total+gparity) schlev  
exclude(rowzero,colzero,percents,totals,specval)
```

```
title( "Table 2.13 School attendance ratios"," ",  
      "Net attendance ratios (NAR) and gross attendance ratios (GAR)",  
      "for the de facto household population by sex and level of schooling; and the",  
      "Gender Parity Index (GPI), according to background characteristics, Country 2011" )  
stub( "Background characteristic" );
```

```
{ table 2.13, 2.13a (figure 2.2) }
```

```
{ adjust the the country's CMC school year when the survey goes across two school calendar  
years }
```

```
cmceducf = cmceduci;
```

```
if HV008 >= cmceduci+12 then cmceducf = cmceduci + 12 endif;
```

```
for i in RECH1_EDT do
```

```
hhsex = HV104;
```

```

hsex = HV104;
{ calculate age at the beginning of country's school year }
if cmcbirth(i) <> 0 then
  ageatsch = int( (cmceducf-cmcbirth(i)) / 12 );
else
  { impute an age at the beginnig of the school year when CMC of birth unknown }
  xtemp = HV008 - HV105*12;
  cmctemp = random( xtemp-11, xtemp );
  ageatsch = int( (cmceducf-cmctemp) / 12 );
endif;
if HV103 = 1 & HV105 in 5:24 then    { de facto population 5-24 ( !! check if country asks for
6-24) }
  { !! check primary school age for the country and adjust it }
  if ageatsch in 7:12 then
    schlev = 1;                      { primary }
    attrat = 2;                      { denominator kids 7-12 for gross }
    xtab( t213w, rweight );
    attrat = 1;                      { denominator kids 7-12 for net }
    xtab( t213w, rweight );
    if HV122 = 1 then                { in primary }
      xtab( t213, rweight );         { numerator 7-12 for net }
    endif;
  endif;
  { !! check secondary school age for the country and adjust it }
  if ageatsch in 13:18 then
    schlev = 2;                      { secondary }
    attrat = 2;                      { denominator kids 13-18 for gross }
    xtab( t213w, rweight );
    attrat = 1;                      { denominator kids 13-18 for net }
    xtab( t213w, rweight );
    if HV122 = 2 then                { in secondary }
      xtab( t213, rweight );         { numerator 13-18 for net }
    endif;
  endif;
  { numerator all in school for gross attendance ratio }
  schlev = notappl;
  attrat = 2;
  if HV122 = 1 then                  { in primary }
    schlev = 1;
  elseif HV122 = 2 then              { in secondary }
    schlev = 2;
  endif;
  xtab( t213, rweight );

  { table 2.13a for figure 2.2 }
  agehhs = HV105;
  colt213a = 2;
  xtab( t213a, rweight );

```

```
if HV121 in 1,2 & HV122 <> 0 then
  colt213a = 1;
  xtab( t213a, rweight );
endif;
endif;          { end de facto 5-24 }
enddo;
```
