Subject: Age at first birth
Posted by kbietsch_avenir on Mon, 21 Aug 2017 17:31:37 GMT
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Hello,
I am trying to reproduce a number from the final report/stat compiler:
The percent of women 20-24 who gave birth before the age of 18. The report says 35.7%
I keep getting a higher number, and wonder if I am not taking into account unmarried women.

```
* Set up svy paramaters
gen wt=v005/1000000
svyset v021 [pw=wt], strata(v023)

gen agefb= (v211-v011)/12

gen fbu18 = 1 if agefb<18
replace fbu18=0 if agefb>=18

* All women factor
gen aw = awfactt/100
* Check the denominator
tab fbu18 [iw=aw*wt]
```

Alternatively, I tried bringing nonmarried women in from the household roster, but still found a percentage over 40%. Can you help point me in the right direction?
Cheers,
Kristin

Subject: Re: Age at first birth
Posted by kbietsch_avenir on Mon, 21 Aug 2017 19:54:39 GMT
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I believe I figured it out (at least was able to replicate stat compiler. I found a similar thread in the weighting section. Here is my code in case anyone has the same question in the future:

```
*****************************************************
clear all
use "C:\Users\KBietsch\Files\DHS Data\Bangladesh\BDIR71FL.DTA", clear
keep if v013==2
keep v005 awfactt v201 v211 v011 v106


gen agefb= (v211-v011)/12
gen fbu18 = 1 if agefb<18
replace fbu18=0 if agefb>=18
```

```
* brute force
gen numerator=fbu18*(v005/1000000)
gen denominator1=v005/1000000
gen denominator2=(v005/1000000)*(awfactt/100)

collapse (sum) numerator denominator*

gen mean1=numerator/denominator1
gen mean2=numerator/denominator2

list, table clean


********** Education **********
clear all
use "C:\Users\KBietsch\Files\DHS Data\Bangladesh\BDIR71FL.DTA", clear
keep if v013==2
keep v005 awfactt v201 v211 v011 v106 awfacte


gen agefb= (v211-v011)/12
gen fbu18 = 1 if agefb<18
replace fbu18=0 if agefb>=18

* brute force
gen numerator=fbu18*(v005/1000000)
gen denominator1=v005/1000000
gen denominator2=(v005/1000000)*(awfacte/100)

collapse (sum) numerator denominator*, by(v106)

gen mean1=numerator/denominator1
gen mean2=numerator/denominator2

list, table clean

********** Wealth **********
clear all
use "C:\Users\KBietsch\Files\DHS Data\Bangladesh\BDIR71FL.DTA", clear
keep if v013==2
keep v005 awfactt v201 v211 v011 v106 awfactw v190


gen agefb= (v211-v011)/12
gen fbu18 = 1 if agefb<18
replace fbu18=0 if agefb>=18
```

```
* brute force
gen numerator=fbu18*(v005/1000000)
gen denominator1=v005/1000000
gen denominator2=(v005/1000000)*(awfactw/100)

collapse (sum) numerator denominator*, by(v190)

gen mean1=numerator/denominator1
gen mean2=numerator/denominator2

list, table clean
```