
Subject: Re: All women factor in stata

Posted by [Bridgette-DHS](#) on Tue, 23 Feb 2016 20:11:22 GMT

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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

The all-women factors are a major headache. Fortunately only a few surveys are limited to ever-married women.

The weight for the numerators is not affected, but the weight for the denominators will be multiplied by awfactt/100. The "t" after "awfact" tells you that that weight is for the total. If you want weight separately by urban-rural place of residence, or region, or one or two other covariates, you look for another letter (instead of "t"). What kind of analysis of first births do you want to do?

I will insert below a trick to get the mean of v201 using awfactt with Poisson regression and an offset. It may help.

- * Strategy to implement awfactt for a mean
- * Illustrate with Egypt
- * I want to get:
 - * the unweighted mean ceb for emw
 - * the weighted mean ceb for emw
 - * the weighted mean ceb for all women (using awfactt)

set more off

```
cd e:\DHS\DHS_data\IR_files
```

```
use EGIR61FL.DTA, clear
```

```
keep v005 awfactt v201
```

```
rename v201 ceb
```

```
* the unweighted mean ceb for emw  
summarize ceb
```

```
* the weighted mean ceb for emw  
summarize ceb [iweight=v005/1000000]
```

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

save temp.dta, replace

collapse (sum) numerator denominator*

gen mean1=numerator/denominator1

gen mean2=numerator/denominator2

* mean1 and mean2 are the weighted mean ceb for emw and all women, respectively
list, table clean

use temp.dta, clear

* Now get these three means using poisson regression

* this will match with the unweighted mean ceb for emw
poisson ceb, irr

* this will match with the weighted mean ceb for emw
poisson ceb [pweight=v005], irr

* this will match with the weighted mean ceb for all women

gen off=log(awfactt/100)

poisson ceb [pweight=v005], offset(off) irr