Subject: Re: Making complex estimations
Posted by Janet-DHS on Wed, 06 Jul 2022 20:54:53 GMT

Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

A tab command can include "if" and "summarize" (see tabsum), although only iweights and fweights work with summarize.

If you have a variable that takes the values 0 and 1, multiply it by 100 to get a variable that takes the values 0 and 100. The mean of that variable will be a percentage. For example, say you want the percentage of urban women (v025=1) who are using modern contraception, by combinations of region (v024) age in 5-year intervals (v013). You could do this (note that the MCPR is the pct of women with v502=1 who have v313=3):

```
gen    mcpr_01=0 if v502==1
replace mcpr_01=1 if v502==1 & v313==3
gen    mcpr_100=mcpr_01*100
format *_100 %6.1f
tab v024 v013 if v025==1 [iweight=v005], summarize(mcpr_100) means noobs
```

This is an example of a tabulation that includes four variables. I don't have time to give an example for the specific variables you are asking about, but the pattern in this example may help.