Subject: Re: Using svy: tab

Posted by lexaw on Sun, 08 Nov 2015 21:28:19 GMT

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Hello,

In connection to the question I asked previously, I am able to replicate DHS 2011 statistics on child health for Uganda. But this is only when it is a one way tabulation (just one variable). When I make a two-way tabulation (with two variables) I do not replicate DHS statistics. I need help. For example, I generated an ARI variable when I tab it I get correct results but when I tab it with v024 (region), I do not get the figures in table 10.5 DHS report 2011 for Uganda page 129. This is what I get;

I generate ARI variable only for live children only (b5==1)

. gen ari=0 if b5==1

(1299 missing values generated)

- . *ARI is defined as children with a cough with short rapid breaths (h31b==1) or/and congestion in the chest/blocked or runny nose
- > (h31c==1 | h31c==3)*/
- . replace ari=1 if b5==1 & h31b==1 & (h31c==1 | h31c==3)/*1 is for chest only 3 is for both chest & blocked nose*/

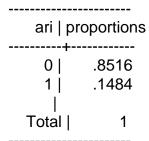
(2156 real changes made)

. svy: tab ari if survey==1(running tabulate on estimation sample)

```
Number of strata = 19 Number of obs = 7355

Number of PSUs = 404 Population size = 7535.3926

Design df = 385
```



Key: proportions = cell proportions

This seems fine because the report is talking about 15% of children with symptoms of ARI. but for the two I can replicate eg;

svy: tab v024 ari if survey==1

(running tabulate on estimation sample)

```
ari
 region |
           0 1 Total
 kampala | .0533 .0086 .062
 central | .0894 .0092 .0987
 central | .0928 .0125 .1054
east cen | .096 .0171 .1131
 eastern | .1419 .0284 .1704
  north | .0691 .0196 .0887
karamoja | .0298 .0075 .0373
west-nil | .0509 .0083 .0592
 western | .1211 .0244 .1454
southwes | .1072 .0127 .1199
  Total | .8516 .1484
 Key: cell proportions
 Pearson:
  Uncorrected chi2(9)
                      = 75.4301
  Design-based F(7.78, 2996.03) = 3.4660 P = 0.0006
This is different from what is in table 10.5 page 129
svy: tab v106 ari if survey==1
(running tabulate on estimation sample)
Number of strata =
                      19
                                   Number of obs
                                                        7355
Number of PSUs =
                      404
                                     Population size = 7535.3926
                           Design df
                                       =
                                              385
highest |
education |
              ari
al level | 0 1 Total
-----
no educa | .1219 .0216 .1435
 primary | .5357 .1002 .6359
secondar | .1627 .0222 .1849
 higher | .0312 .0044 .0356
     Total | .8516 .1484
 Key: cell proportions
Still different!! need help. thanks
```