

Thank you for your reply Tom and Bridgette.

I am analyzing the association between intimate partner violence (IPV) and child stunting in Honduras. I am using the 2011 dataset.

I wonder why I get a smaller population size (weighted observations) than the number of observations (unweighted) during analysis? To keep track of what I have done so far, below my procedure in Stata.

Thank you for your support,

Mariela

```
=====
PROCEDURES
=====
```

I downloaded the dataset HNIR62FL.DTA and followed the steps.

1. Setting the sampling design features as:

```
*****
```

```
*WEIGHT VARIABLE
```

```
gen weight = d005/1000000
```

```
*SURVEY SET
```

```
gen psu = v021
```

```
gen strata = v022
```

```
svyset psu [pw = weight], strata(strata)
```

```
*****
```

2. Keeping records that responded the domestic violence questions (keep if v044==1)

3. Generating the variable "***Women age 15-49 who have experienced physical violence since age 15".

```
*****
```

```
gen everpsyvio=1 if (d105a>=1 & d105a<=4)|(d105b>=1 & d105b<=4)|(d105c>=1 &
d105c<=4)|(d105d>=1 & d105d<=4)|(d105e>=1 & d105e<=4)|(d105f>=1 & d105f<=4)|(d105g>=1
& d105g<=4)|(d105j>=1 & d105j<=4)|(d130a>=1 & d130a<=4)
```

```
replace everpsyvio=1 if d115y==0
```

```
replace everpsyvio=1 if d118y==0
```

```
replace everpsyvio=0 if everpsyvio==.
```

```
*****
```

4. Generating the variable corresponding to "*Persons Committing Physical Violence //Current husband/partner"

```
*****
```

```
gen current=0 if everpsyvio==1
```

```
replace current=1 if v502==1 & ((d105a>=1 & d105a<=4)|(d105b>=1 & d105b<=4)|(d105c>=1 &
```

```
d105c<=4)|(d105d>=1 & d105d<=4)|(d105e>=1 & d105e<=4)|(d105f>=1 & d105f<=4)|(d105j>=1 & d105j<=4))
```

```
replace current=1 if v502==1 & d118a==1
```

```
*****
```

5. Generating the variable child stunting. I use the last alive child with height measurements.

```
*****
```

```
**the youngest child's height
```

```
keep if hw70_1 < 9996
```

```
**computing height for age < -2
```

```
gen haz=hw70_1/100 //converting to meters
```

```
gen pstunted=0
```

```
replace pstunted=1 if haz<-2
```

```
replace pstunted=. if haz==.
```

```
tab pstunted
```

```
*****
```

6. Crosstable between physical violence by current husband/partner and child stunting

```
tab pstunted current //unweithed
```

	current		
pstunted	0	1	Total
-----+-----+-----			
0	800	611	1,411
1	221	245	466
-----+-----+-----			
Total	1,021	856	1,877

```
svy: tab pstunted current, col //weighthed
```

(running tabulate on estimation sample)

```
Number of strata = 38          Number of obs = 1,877
Number of PSUs   = 892          Population size = 1,635.6582
Design df        = 854
```

	current		
pstunted	0	1	Total
-----+-----			
0	.8063	.7385	.7765
1	.1937	.2615	.2235
-----+-----			
Total	1	1	1

Key: column proportion

Pearson:

Uncorrected $\chi^2(1)$ = 12.2383
Design-based $F(1, 854)$ = 8.7656 P = 0.0032

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end of do-file
