

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 chi2(1) = 12.2383
Design-based F(1, 854) = 8.7656 P = 0.0032

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end of do-file
