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Subject: variables for svyset in Stata (Bangladesh 2011)

Posted by [kморris](#) on Fri, 09 Jan 2015 18:31:31 GMT

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Hello,

I am currently trying to analyze c-section by wealth quintile (lower 2 and upper 3 as their own groupings).

I am using Stata 12, and when trying to set svyset for the data, I have been encountering an issue with the strata that is affecting my results in analysis.

```
gen birth5=0
replace birth5=1 if v208>0
label var birth5 "have a live birth in past 5 years"
label define yesno 0 "no" 1 "yes"
label values birth5 yesno
keep if birth5 == 1
```

```
gen wt=v005/1000000
```

```
gen csect = . if m17 == .
replace csect = 1 if m17 == 1
replace csect = 0 if m17 == 0
```

```
label variable csect "C-Section"
label define csect 0 "no" 1 "yes"
label value csect csect
```

```
gen psu=v021
```

```
gen strata=v023
```

**\*\*note, I generated the weight earlier, above)\*\***

```
svyset psu [pweight=wt], strata(strata)
```

**\*\*now analyzing using poisson for the lower 2 wealth quintiles\*\***

```
svy: poisson csect v190 if v190<3
```

And this is where I run into errors, see results as written below  
(running poisson on estimation sample)

Survey: Poisson regression

|                  |   |            |                 |     |           |
|------------------|---|------------|-----------------|-----|-----------|
| Number of strata | = | 19         | Number of obs   | =   | 3645      |
| Number of PSUs   | = | 499        | Population size | =   | 3867.0893 |
|                  |   | Design df  | =               | 480 |           |
|                  |   | F( 0, 480) | =               | .   |           |

Prob > F = .

| -----       |            |           |   |      |                      |   |
|-------------|------------|-----------|---|------|----------------------|---|
|             | Linearized |           |   |      |                      |   |
| csect       | Coef.      | Std. Err. | t | P> t | [95% Conf. Interval] |   |
| -----+----- |            |           |   |      |                      |   |
| v190        | 1.011505   | .         | . | .    | .                    | . |
| _cons       | -4.721347  | .         | . | .    | .                    | . |
| -----       |            |           |   |      |                      |   |

Note: missing standard errors because of stratum with single sampling unit.

Did I do something wrong with the sampling unit? Is this error unique to this dataset or will I have to change my syntax?

Thank you!  
Kate Morris