
Subject: Sample weight/Survey design
Posted by [kusum](#) on Tue, 24 Dec 2013 20:13:33 GMT
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Hi all,

I am using Nepal DHS 2011 dataset (child file) for a class project to examine the association between caste group and childhood stunting in Nepal.

To account for the survey design, I used the following codes after referring to the DHS notes.

```
gen finalwt= v005/1000000  
svyset, clear  
svyset v001 [pweight=finalwt], strata (v022)
```

v001 is cluster-- enumeration area (ward in rural, subward in urban)
v022 is the domain (13 ecoregions) by urban/rural (25 total)

When I do run the analysis, the population size is much small (see below). I just wanted to confirm you that I am using the sample weight correctly. Perhaps someone has encountered similar problem?

Thanks,
Kusum

```
svy, subpop (sample2):logit stunting i.femage  
(running logit on estimation sample)
```

Survey: Logistic regression

```
Number of strata = 25          Number of obs   = 5306  
Number of PSUs  = 289        Population size = 5391.3722  
Subpop. no. of obs = 1134  
Subpop. size      = 958.14927  
Design df        = 264  
F( 3, 262)      = 1.66  
Prob > F        = 0.1769
```

```
-----  
      |          Linearized  
stunting |      Coef.  Std. Err.   t   P>|t|   [95% Conf. Interval]  
-----+-----  
femage |  
  1 | -0.0338201  .5256869  -0.06  0.949  -1.068893  1.001253  
  2 |  .2319218  .570629   0.41  0.685  -0.8916414  1.355485  
  3 |  .4512506  .5719637   0.79  0.431  -0.6749405  1.577442  
      |  
_cons | -0.3237562  .5264081  -0.62  0.539  -1.360249  .7127364
```

