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  |  -.0338201   .5256869    -0.06   0.949    -1.068893    1.001253
          2  |   .2319218    .570629     0.41   0.685    -.8916414    1.355485
          3  |   .4512506   .5719637     0.79   0.431    -.6749405    1.577442
             |
       _cons |  -.3237562   .5264081    -0.62   0.539    -1.360249    .7127364
```