
Subject: Weighted data and population size

Posted by [shopnobaz](#) on Tue, 14 May 2019 00:29:25 GMT

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Hello DHS experts,

I want to do a pooled analysis of BDHS 2007, 2011 and 2014 (KR file for children). As per forum discussion, during regression analysis of pooled data, I need to de-normalize the sampling weight. I did this using

```
gen wgt = weight_all *** weight_all = v005/1000000(Total number of households during each
survey year/sample households in each survey) and append three surveys data
gen psu = cluster *** each survey clusters are unique eg. 2007_1, 2011_1 and so on
svyset psu, weight(wgt) strata(strat) , singleunit(centered) || _n *** each survey strata are unique
```

When I fitted weighted logistic regression, after adjusting weight this way, I found:

svy: logit y x

Number of strata	=	63	Number of obs	=	19,896
Number of PSUs	=	1,561	Population size	=	44,882,311

Could anyone please suggest that the process is correct? Is the population size reliable or not?

Thank you very much.
