
Subject: Weight about pooling 2003,2008,2013,2018 BR dataset in Nigeria

Posted by [geass](#) on Sat, 21 Mar 2020 22:43:22 GMT

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I did the following de-normalization.

In 2003,2008,2013,2018 BR data, according to "Note on DHS standard weight de-normalization"
 $V005^* = V005 \times (\text{total females age 15-49 in the country at the time of the survey}) / (\text{number of women age 15-49 interviewed in the survey})$

For example, in 2018 BR dataset, I did

```
gen wgt=v005/1000000
```

```
gen wgt_new=(wgt*44911147)/41821
```

```
gen survey=1
```

```
egen clusterid=group(survey dhsclust)
```

```
egen stratumid=group(survey v023)
```

I did the same progress in 2013,2008,2003.

Then I pooled four rounds into one dataset.

I use the pooling data to do regression.

```
reg Y X [pw=wgt_new]
```

My question:

(1) Is the above weighting and pooling data right?

(2) When I do the regression, do I need to do "reg Y X [pw=wgt_new]" , OR just do "reg Y X" without "[pw=wgt_new]"

Thank you very much

I hope to receive your reply.
