
Subject: Weighting after pooling multiple countries
Posted by [dgodha](#) on Fri, 10 Jun 2022 14:21:58 GMT
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Hello DHS Experts,

Thanks to you and this forum, I have learnt a lot on pooling and weighting.

My current focus on pooling is to gain insight into stunting and neonatal mortality across Sub-Saharan Africa. I have pooled 19 countries but I don't want one country to dominate the results. I plan to do logistic regression instead of multi-level modelling.

Accordingly, I have given equal weight to each survey (before pooling) using the following commands:

```
scalar TOTWT=1000000  
quietly summarize v005  
scalar T=r(sum)  
gen v005r=v005*TOTWT/T
```

In addition, I have modified the stratum and psu variables as follows:

```
gen cluster_id=survey*1000+v021  
gen stratum_id=survey*1000+v023
```

Now, I am not sure if I have surveyset correctly- do I still need to divide my weight variable by 1000000? My code is as follows:

```
gen wt=v005r/1000000  
svyset cluster_id [pweight=wt], strata(stratum_id) vce(linearized) singleunit(centered)
```

I will appreciate your guidance on this.
Many thanks

Subject: Re: Weighting after pooling multiple countries
Posted by [Janet-DHS](#) on Wed, 15 Jun 2022 13:03:40 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

For pweights it does not make any difference whether you multiply or divide by a constant (such as 1000000). To confirm that, I suggest that you do a regression (for example) both ways. I don't think you will see a difference....

I recommend that you get the cluster and stratum id codes this way:

```
egen cluster_id=group(survey v021)
```

egen stratum_id=group(survey v023)

"egen" (extensions to "generate") is a very powerful set of commands.

Subject: Re: Weighting after pooling multiple countries
Posted by [dgodha](#) on Thu, 16 Jun 2022 12:55:11 GMT
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Many thanks for explaining- it clarifies the issue for always.
