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Subject: using design elements correctly

Posted by [gebretsh@gmail.com](mailto:gebretsh@gmail.com) on Fri, 16 Dec 2022 08:42:40 GMT

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Dear Dr Tom and other DHS experts,

I'd like to thank you for your usual invaluable firsthand assistance with DHS data analysis.

I would like now to ask questions on the specifications of the three design elements of DHS data: cluster, weight and strata

1) I have a habit of using these three elements whenever I do analysis using DHS data via the svyset function in Stata.

```
svyset psu [pw=weight], strata(strata var) singleunit(centered)
```

Now, I read today the Stata's survey data reference manual and recommends the specification of a secondary sampling unit (ssu), which is the household ID in DHS, as follows:

```
svyset psu [pw=weight], strata(strata var) || household Id (v002)
```

I have already analyzed my data using the first command and sent it to a journal for publication. Should I re-analyze the data using the second code?

2) I want to use a Stata command that does not support "svy". The Stata command that I want to use is "mvdcmp", a tool used to do decomposition analysis between two groups. Now, In place of the svy command, I just opt to use another way of supplying the design elements into my syntax, as follows:

```
mvdcmp place of residence: logit skilled_onc_2days wealth_early1 wealth_early2 [pw=w1],  
robust cluster(id)
```

To add to the problem, this "mvdcmp" command does not support/accept strata, and supports only weight and cluster, as indicated above. Is there a severe problem If ignore the strata variable from being taken into account in my analysis.

Thanks so much for your advice.

Regards,