
Subject: Re: using design elements correctly
Posted by [Bridgette-DHS](#) on Fri, 16 Dec 2022 16:04:55 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

We recommend the version of svyset that you are currently using. I just ran the lines below on the Philippines 2017 DHS, for an example. #1 includes only the weights, v005. #2 adds the usual adjustments for clustering and strata with svyset. #3 is your proposed modification of svyset, with subsampling of households.

All three models give exactly the same estimates of coefficients. #2 and #3 give estimates of standard errors, test statistics, and confidence intervals that are different from #1. However, the estimates of standard errors, etc. are exactly the same in #2 and #3. That is, you can use #3 if you want but it appears from this simple check that the results will be the same as with #2.

Note: I am not proposing that you would analyze CEB with linear regression! This is just an example of a statistical model.

* Estimation #1

```
regress v201 i.v013 i.v190 [pw=v005]
```

* Estimation #1

```
svyset v001 [pw=v005], strata(v022) singleunit(centered)
```

```
svy: regress v201 i.v013 i.v190
```

* Estimation #1

```
svyset v001 [pw=v005], strata(v022) || v002
```

```
svy: regress v201 i.v013 i.v190
```