Subject: error after svyset for higher spatial resolution
Posted by fabienne on Thu, 13 Aug 2015 14:35:18 GMT
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Hello everyone

I am working with DHS VI from Guinea (2012), particularly with household-level data and I use Stata for statistical analyses.

The smallest geographical frame in the data is the region (ADM-1), but I need data at higher spatial resolution (ADM-2). I have therefore reclassified the cluster location by préfécture using the GIS data. I thus now have an additional variable which identifies the préfécture for each household. The minimum number of clusters I per préfécture is 2.

My aim is to produce summary estimates of variables such as hv204 or hv207 at préfécture level.

My syntax is:
svyset hv021 [pw=weight], strata(hv022)
svy:mean hv204, over(prefecture)

However I get an error message after this command:

no observations
r(2000);

If I ignore the svy design, I get estimates for all préféctures, I suspect it must be related to the svyset command? Is it because in one préfécture I have only 2 clusters?

Or I have to adjust the weights, or the strata(hv022) or the PSU (hv021) and if yes, how would I need to change it?

Of note, the error does not occur if I use a categorical variable for tabulation (using svy: tab prefecture hv025)

Thank you very much.
Kind regards, Fabienne

Subject: Re: error after svyset for higher spatial resolution
Posted by fabienne on Thu, 13 Aug 2015 14:51:37 GMT
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Never mind, I found the error:

the préfécture variable (as defined in the "over()" term) must be numerical, the command will not work if it is string.

Kind regards, Fabienne