Subject: Combining sampling strata categories
Posted by Tracy on Thu, 20 Aug 2015 17:01:44 GMT
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Hello,

I am having difficulty with running a linear regression once I have completed the svyset command. All the F and P values are marked as missing in the regression output in STATA. In my svyset command I have b_strata as my strata variable and I found that this gives me 1037 strata, a large number of which have only 1 primary sampling unit. This appears to be the problem as when I remove the strata element of my svy weighting command, then the regression output includes F and P values, the only issue is it is not representative of the general population. Is it acceptable to combine sampling categories, or will this lead to the estimates I generate still being non-representative of the general population? Or should I use an extra command during svyset such as singleunit(certainty)?

This is the error message I get:

Note: 2 strata omitted because they contain no population members.
Note: missing standard errors because of stratum with single sampling unit.
Thanks you for your help,

Tracy

Subject: Re: Combining sampling strata categories
Posted by Bridgette-DHS on Fri, 21 Aug 2015 13:10:02 GMT
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

Hi Tracy-- You are right that there could not possibly be 1037 strata. If this number is greater than 60 or so then you should be suspicious. This kind of error will indeed cause a regression to fail.

What survey and file are you using? In some less recent surveys the stratum variable is misidentified.