
Subject: Using region as a predictor in a regression analysis different from sample strata

Posted by [karoun11](#) on Tue, 14 Feb 2017 16:31:06 GMT

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Hello,

I am running linear regression analyses using STATA, in several East African countries, but each regression analysis is run separately for each country. I am using the child file, with the appropriate weights (svyset v021 [pweight = sampwt], strata(v022) vce(linearized) singleunit(scaled)) to run my regression analyses in STATA.

I am trying to determine that if I use a country's region as a predictor variable, whether it is incorrect to use an administrative unit (such as province or DHS designated region; v024) different than one one used in the stratification of the sample design(v022 or v023). I still use the svyset command to run my regression.

Thank you,
Karoun

Subject: Re: Using region as a predictor in a regression analysis different from sample strata

Posted by [Bridgette-DHS](#) on Wed, 15 Feb 2017 15:53:39 GMT

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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

It is ok to use a regional categorization that differs from the stratification in the survey design.
