
Subject: Difficulty analysing IR data for many countries

Posted by [Lorretta](#) on Mon, 17 Feb 2014 11:44:07 GMT

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I am using individual recode dataset for Swaziland, Gabon, Cote d'Ivoire, Kenya, Liberia, Namibia, Cameroon, Lesotho, Ghana and Mozambique for a study. Except for Cote d'Ivoire, binary logistic regression using `xi:svy:logistic ...` gives me only the odds ratio, with a note that missing standard errors because of stratum with single sampling unit. The F and prob > F are without any values. I defined the strata and psu for each country as `svyset [pw=wt], psu(v021) strata(v022)`. Does anybody know what I am not getting right? Thanks.

Subject: Re: Difficulty analysing IR data for many countries

Posted by [Reduced-For\(u\)m](#) on Tue, 18 Feb 2014 00:05:58 GMT

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A couple possibilities:

1 - you need to create a new variable with PSU that is separate for each country/survey-round, same for strata. So, if Ghana has PSUs 1-90 and Lesotho has 1-28 (just made up numbers), you need to tell Stata that these are separate PSUs. You could do this by, say, generating a 2-digit number for each country, multiplying it by 1000, and adding on the PSU number (assuming never more than 3 digit PSU numbers - and something similar for strata).

2 - you say you defined it for each country - does that mean you re-did the `svyset` each time? Are you running the regressions separately? If you are running them separately, ignore (1) and try (3). If not, re-try (1) only once after all of your data is loaded.

3 - are you using some subsample, or trimming your sample extensively? You might try:

```
bysort strata: tab Y
```

and see if there are any strata with 1 ob.

Happy to hear back and offer any other thoughts if this doesn't work or get you on the right path. But my guess is it has something to do with your `svyset`, or you are using a small subsample (on purpose, or somehow accidentally for some particular country/region/urban (strata). Of course, I've been known to be wrong so....
