Subject: Keeping caseid in and keeping missing observations out when using Stata "collapse"
Posted by Lizzynaija on Tue, 16 Jun 2015 14:54:00 GMT
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Dear DHS Researchers,

I am analyzing contextual determinants of neonatal mortality using the Nigeria 2013 DHS. I am currently trying to aggregate individual-level statistics to create community-level variables using the Stata collapse command.
I would be grateful if I could get some guidance on how to tackle the following challenges:

1)According to the Stata manual,"collapse" will, by default, use all my observations to calculate the summary statistics; if I want to exclude missing observations for variables, I am to specify the "cw" option. However, when I included this option, Stata returned an error message: "no observations" and I am not sure how to get around this.

2) I want to collapse by PSU (v001) so as to get the community means for my variables. However, I am running into problems with keeping my caseid variable in the collapsed dataset. I need to the caseid variable to stay in the dataset so that I can merge the community level means back onto the original IR dataset. However, when I put it in the by() portion of "collapse", it causes the dataset to collapse by the caseid, and not the PSU.

Below is the code I have been working with:

```
#delimit;
 collapse(mean) commresid=wherelives commregion=region meancommeduc=comm_educlvl
communemp=unemployed
 commpoverty=poverty commpovlevel=povlevel commwealth=v190 commanc=ancvisits
commpostnatal=postchk commsba=birthassist
 commdelivery=birthplace commfemeduc=femeduc commeneduc=meneduc commfemjob=femjob
commenjob=menjob
 commworkprev=workprevyr commfirstmarr=agefirstunion commfirstbirth=matagefirstbirth
commallkids=parity
 commidealkids=idealkidnum commsons=xxsonsalive commgirls=xxgirlsalive
commdecision=all_decision
 commviolence=violence commcontrol=control, by(v001 caseid) cw;
#delimit cr
```

Please what are the steps I should take to get this to work properly?

Thank you very much,
Elizabeth