
Subject: Re: Pooled Survey MeLogit Syntax Query
Posted by [cmergenthaler](#) on Wed, 27 Jul 2016 19:09:55 GMT
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Thank you for this very informative response. I was able to make the first suggestion work, using `i.survey` as a dummy variable. However, I ran into a few new problems when attempting to correct the `svy:melogit` model, which I understand is the best practice.

I hope I understood your suggestion well to create weights for both the survey and cluster level in order to be able to add in random effects. Clearly I am doing one or several things wrong still, so I'll continue to be grateful for your advice.

From my original syntax I kept:

```
generate weight = v005/10000000  
egen clusters=group(survey v021)
```

Then I created a variable called `surveyweight` for each survey: (female population ages 15-49 of country survey year) / (# females 15-49 in survey)

Then attempted to redo the `svyset` command correctly:
`svyset survey, weight(surveyweight) || clusters, weight(v005)`

Then ran the `svy: melogit` command once again as per your advice and the stata manual to which referred (thank you!):

```
svy: melogit child_cough_care v476_1 i.v013 i.religion i.v106 i.v190 HIV_accept [pweight=weight]  
|| survey: || clusters:  
Then received error message: weights not allowed
```

So I removed `[pweight=weight]`, although I don't know that this is correct to do, and then ran the model without it:

```
svy: melogit child_cough_care v476_1 i.v013 i.religion i.v106 i.v190 HIV_accept || survey: ||  
clusters:
```

And as you rightly predicted, it never converged...

I cannot understand why the weight `[pweight=weight]` was not allowed, but I suppose that since it still does not converge even after removal of the weight, I should go for the metaan step. Can you kindly clarify?

Thank you in advance for any further assistance!

Christina