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Subject: Re: To perform anova for count data in stata with survey weight  
Posted by [Bridgette-DHS](#) on Tue, 11 Sep 2018 00:39:37 GMT

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

Sorry for the delay in this response. You may already have solved the problem.

I don't see any obvious reason why you are getting an error message. Can you send a log file?

Personally, I would use Poisson regression and a model such as "poisson no\_of\_antenatal\_visits i.education\_level". With anova, you are treating the count as an interval-level outcome. The tests in anova assume that the errors are normally distributed and homoscedastic. Both of those assumptions are implausible for a count. Poisson (and negative binomial) models are more appropriate for an outcome that is a count.

I also recommend that other variables be included, such as the age and/or parity of the woman.

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