
Subject: Re: How do I account for clustering within families?
Posted by [Reduced-For\(u\)m](#) on Sun, 24 Sep 2017 19:20:23 GMT
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One way to do this cleanly without having to sacrifice anything regarding survey design (clustering, stratification, weighting) would be to estimate each survey round individually, and then use Seemingly Unrelated Regressions commands (suest and sureg in Stata) to test the equality of coefficients across survey rounds. To do that you'd just do your standard DHS svyset/svy: stuff on an individual round, save the information (see help commands for suest/sureg), do the other rounds the same way, and then directly test the coefficients.

You can do it pooled by country too, but when you make those stratumid (which I presume you do before merging) you might end up with something weird where a value of that variable repeats across survey rounds. You could just append a "001" and "002" to the end of each stratumid where "001" would mean from survey round one. You'd also need to generate new PSU identifiers, since those repeat values from survey to survey but don't represent the same PSUs.

I assume by "i.year" you are meaning survey year and not cohort, right? Also remember, the Beta/p-value on your year dummies is only relative to the omitted one, so if you have 3 rounds you'd need to test the survey round dummies against each other (not just the 0 that represents the omitted group).