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Subject: weighting in chi-square test?

Posted by [PintuPaul](#) on Sun, 03 Sep 2017 12:46:17 GMT

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Hi,

I am confused using sample weight in bivariate analysis. Is it we need to use weight in chi-square test? or we just can test without using sample weight? I am using 'tabout' command in stata and when I am using sample weight in chi-square test the value of chi2 goes down and the value of chi2 is pretty high without weight. I am asking which one is appropriate when we do chi2 test in bivariate analysis?

Thank you!

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Subject: Re: weighting in chi-square test?

Posted by [Reduced-For\(u\)m](#) on Mon, 11 Sep 2017 17:44:16 GMT

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In general, if you want to make inferences on population-level parameters (which it sounds like you want, given your tabout), you need to weight.

I'm surprised a bit that it matters a lot though. Are you adjusting for survey design (clustering, stratification) in both cases? It maybe also depends on which variables you are testing, because some outcomes require special weights.

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