
Subject: Re: Comparing variables across different years
Posted by [Reduced-For\(u\)m](#) on Tue, 07 Apr 2015 22:38:58 GMT
[View Forum Message](#) <> [Reply to Message](#)

One way to think about it: you could pool the datasets (append them together) and regress on a constant and a dummy variable for "surveyed in 2011". The coefficient on the survey year dummy is the difference between the two means and you could do a t-test of the coefficient equals 0 (you could also run the regression with no constant and just a dummy for each survey year and those would give you the means of the two survey years, and then you can test the equality of the coefficients with an F-test). That would let you use account for survey design in both years (provided you fixed your PSUs to be survey-specific and de-normalized your weights appropriately, though the re-normalizing may be less important for two surveys from the same country if they are similarly sized samples and similar designs).

You could do this separately for men/women, or you could make a dummy for each group (genderXyear) and put them all in one regression and then test the coefficients of interest with post estimation commands (you would use "test" in Stata).
