Subject: Total Fertility Rates for India
Posted by narenmahor@gmail.com on Wed, 13 Nov 2019 18:08:46 GMT
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Hi,
I want to compute total fertility rates for each of Indian states religion-wise on stata, can I do this using tfr2? please help.

Subject: Re: Total Fertility Rates for India
Posted by schoumaker on Thu, 21 Nov 2019 13:08:39 GMT
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Using tfr2, if the survey is conducted among all women, you can compute general age-specific rates in this way:

by v130 v024, sort : tfr2

You could extend the time window to 5 years (or more) for the computation of rates to have a larger number of events

by v130 v024, sort : tfr2, len(5)

You can also take into account of clustering with the cluster option.

However, you should be careful because:

- sample sizes will be too small in some cases (and you will get very large confidence intervals). Even with the latest DHS (with a huge sample size), in some states you will run into problems of sample size for some religions. You should consider grouping them, or grouping some small states.
- if you work with surveys conducted among ever married women, you will need to use an all-women factor specific to religion and state. To my knowledge, this is not available in the datasets, so you would have to compute them (but then you would need information on religion in the household file, I do not know if this is available).

Best,

Bruno

Subject: Re: Total Fertility Rates for India
Posted by MChakrabarty on Thu, 20 May 2021 21:54:05 GMT
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Dear Bruno
If I need to calculate district wise. TFR (forr both Bangladesh and India), do I need to use.awful(awfctr) option?
Please suggest.
Manisha

Subject: Re: Total Fertility Rates for India
Posted by MChakrabarty on Fri, 21 May 2021 18:14:46 GMT
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If I need to calculate TFR using individual file for Both India and Bangladesh, do I need to use the option awful(awfactr) option in tfr2 command?

Subject: Re: Total Fertility Rates for India
Posted by schoumaker on Sat, 22 May 2021 10:04:34 GMT
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Hello,

If the survey was conducted amon ever-married women, you indeed need to use the all women factors. I think this is the case for all the surveys in Bangladesh, and most surveys in India, but I did not check.

The all women factors may not be available at the district level, so you will need to compute these all women factors for the household survey data. The method is explained the Guide to DHS Statistics (https://dhsprogram.com/data/Guide-to-DHS-Statistics/index.cf m).

Best regards,

Bruno Schoumaker

Subject: Re: Total Fertility Rates for India
Posted by MChakrabarty on Wed, 26 May 2021 16:44:07 GMT
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Dear Bruno

Thank you very much for explaining all women factor at district level. There is one at region level (for example states of India, Division. for Bangladesh).
Now my question is if from 2015 NFHS /DHS data set for India, I want to calculate tar for the year 2011, what length I should give. If I give Len(4), it is taking central year 2014. If I give Len(5), also the central data point considered is 2013. So exactly for 2011 what Len() I should use?
Thanks
Manisha

Hello,

You should use the endy option. It allows indicating the last calendar year used for the computation of the rates.

If you want to compute the TFR for the year 2011 only, use:

tfr2, endy(2011) len(1)

You can also compute it for a 3-year period (from 2010 to 2012) in this way.

tfr2, endy(2012) len(3)

Or on a 5-year period

tfr2, endy(2013) len(5)

These rates will all be centered on mid 2011. The results will not vary much across methods (around 2.3), except for the 45-49 age group.

Best regards,

Bruno Schoumaker