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Subject: Parity Progression Ratio and Tempo-adjusted Fertility

Posted by [Teskay](#) on Sun, 23 Oct 2022 00:06:44 GMT

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Dear respected experts, peace and health for you!!

I am Mr. Tesfay Brhane, an Ethiopian citizen studying my PHD at Addis Ababa University-Ethiopia.

I am studying trends of fertility transition in Ethiopia using different fertility measures.

To minimize the problems with period measures, I prefer to use tempo-adjusted, tempo-parity-adjusted TFR, and parity progression ratio (PPR).

I am using the Ethiopian DHS data 2000-2016 and use Stata version 14.

However, I can't get or formulate a Stata command/syntax for estimating both or either of the variables.

It is with great kindness I ask for your help with the following points.

1. Is it possible to estimate Tempo adjusted TFR (TFR\*), Tempo-parity adjusted TFR (TFRP\*), and PPR from the EDHS and compare them between 2000 and 2016?

2. Could you help me to get the stata command for those possible?

The theory and formula for the TFR\* and TFRP\* is explained in bongaarts article: "A Demographic Explanation for the Recent Rise in European Fertility (John Bongaarts and Tomáš Sobotka:

<https://www.jstor.org/stable/41857358>.

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Subject: Re: Parity Progression Ratio and Tempo-adjusted Fertility

Posted by [Janet-DHS](#) on Fri, 28 Oct 2022 16:07:32 GMT

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Following is a response from DHS staff member Tom Pullum:

Your request goes beyond the level of support that we can provide.

"Tempo" refers to changes in the timing of childbearing, which mainly shows up with changes in the mean age at childbirth. If the mean age at birth in the successive DHS surveys in Ethiopia has been changing, you could see differences between the different versions of the TFR. The first step would be to check for changes in the distribution of age at childbearing, including ages at specific birth orders. If the mean age is not changing or is changing slowly, this type of analysis may not be very helpful. The adjustment for tempo has mainly been applied to countries that have experienced massive changes over several decades, as in Europe.

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