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Subject: General fertility rate on STATA

Posted by [catherino222](#) on Tue, 09 May 2017 01:03:37 GMT

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Hello,

I am using Cameroon DHS 2011 and would like help on how to compute the general fertility rate on STATA. I used the tfr2 command which gave me the TFR but I am not sure how to proceed to get the GFR. I would also, like to know how to change the default 3 year period that precedes the survey to a longer period of 5 years or 7 years and derive GFR for different regions within the country.

Thank you very much

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Subject: Re: General fertility rate on STATA

Posted by [Liz-DHS](#) on Tue, 09 May 2017 13:17:13 GMT

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Dear User, You may find a post by one of our users useful [http://userforum.dhsprogram.com/index.php?t=msg&th=63&goto=4436&#msg\\_4436](http://userforum.dhsprogram.com/index.php?t=msg&th=63&goto=4436&#msg_4436)

You can search the forum for keywords to find other posts with similar content.

We also have other resources to assist you. Please refer to The Guide to DHS Statistics <http://www.dhsprogram.com/publications/publication-dhsg1-dhs-questions-and-manuals.cfm>, The Standard Recode Manual <http://www.dhsprogram.com/publications/publication-dhsg4-dhs-questions-and-manuals.cfm> and a set of YouTube videos.

The video series covers making sure you have the correct....

Video 1: Data File and Denominator

Video 2: Variables

Video 3: Recoding and Weights

Video 4: Software Specific Codes and Tabulation Commands

<https://www.youtube.com/playlist?list=PLagqLv-gqpTMU3avlnBDodTWCazURy4CT>

For Stata tutorials, please visit:

[http://www.cpc.unc.edu/research/tools/data\\_analysis/statatutorial](http://www.cpc.unc.edu/research/tools/data_analysis/statatutorial)

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Subject: Re: General fertility rate on STATA

Posted by [schoumaker](#) on Tue, 09 May 2017 15:50:15 GMT

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Hello,

tfr2 does not compute the GFR. But when you run tfr2, you will get the total number of events and exposure (weighted), from which you can compute the GFR. To change the length of the period, just specify it in the len(length) option.

For instance, typing

tfr, len(7) maxage(44)

will compute fertility rates for the seven years preceding the survey up to completed age 44 (the GFR in DHS is for 15-44). The output is copied below for Cameroon 2011.

You can get the GFR from the following information:

Number of person-years (weighted): 87397.727

Number of events (weighted): 15872.734

-> GFR=15872.734/87397.727

to have it for different regions, you can use by:

by v024, sort: tfr2, len(7)

Best wishes,

Bruno

\*\*\*\* Output \*\*\*\*

. tfr2, maxa(44) len(7)

weight variable is v005

Preparing table of events and exposure for 7 year(s) preceding the survey

Period covered: 4/2004 to 3/2011

Central date is 2007.7796

Number of cases (women): 15374

Number of person-years (weighted): 87397.727

Number of events (weighted): 15872.734

ASFRs - TFR

events	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Rate_1519	.1317664	.0023793	55.38	0.000	.1271031	.1364297
Rate_2024	.2397899	.0034917	68.67	0.000	.2329462	.2466335
Rate_2529	.251612	.0040571	62.02	0.000	.2436603	.2595637
Rate_3034	.2029518	.0041	49.50	0.000	.1949159	.2109878
Rate_3539	.1397143	.0038127	36.64	0.000	.1322415	.1471871
Rate_4044	.0601799	.0028358	21.22	0.000	.0546219	.0657379
TFR	5.130072	.0429249	119.51	0.000	5.045941	5.214203

