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 5years or 7 years and derive GFR for different regions within the country.

Thank you very much

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
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-questi onnaires-and-manuals.cfm, The Standard Recode Manual http:// www.dhsprogram.com/publications/publication-dhsg4-dhs-questi onnaires-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-gqpTMU3avlnBDodTWCazUR y4CT
For Stata tutorials, please visit:
http://www.cpc.unc.edu/research/tools/data_analysis/statatutorial

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