Subject: Re: General fertility rate on STATA
Posted by schoumaker on Tue, 09 May 2017 15:50:15 GMT
View Forum Message <> Reply to Message

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