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Subject: displacement index ? (MR12)

Posted by [zakzok](#) on Wed, 22 Jun 2016 09:52:34 GMT

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Dear Sir,

When I study the (DHS Methodological Reports No.12) about the Quality and Consistency of DHS Fertility Estimates, 1990 to 2012. I wish to recalculate displacement index in the Appendix Table A1. Description of the 182 DHS surveys (1990-2012) used in this report for EDHS 2008 by this steps: by (tfr2) Found the number of birth per year for 7 years before the survey 2008

tabexp, length(7) trend(1) norates

period ageg events exposure centry

0	15	269.74	4577.268	2001.751
1	15	278.676	4738.914	2002.751
2	15	222.77	4910.749	2003.751
3	15	255.139	5015.269	2004.751
4	15	228.813	5004.009	2005.751
5	15	253.584	4990.528	2006.751
6	15	272.658	4964.853	2007.751
0	20	706.7	3707.204	2001.751
1	20	839.714	3978.768	2002.751
2	20	672.229	4146.617	2003.751
3	20	723.313	4261.805	2004.751
4	20	673.108	4396.952	2005.751
5	20	755.203	4577.268	2006.751
6	20	890.911	4738.914	2007.751
0	25	579.265	2740.123	2001.751
1	25	617.424	2805.705	2002.751
2	25	504.931	2931.688	2003.751
3	25	559.809	3196.387	2004.751
4	25	608.091	3449.569	2005.751
5	25	690.912	3707.204	2006.751
6	25	759.399	3978.768	2007.751
0	30	358.402	2647.427	2001.751
1	30	396.103	2683.323	2002.751
2	30	277.769	2689.89	2003.751
3	30	310.879	2669.486	2004.751
4	30	315.405	2694.022	2005.751
5	30	315.709	2740.123	2006.751
6	30	371.357	2805.705	2007.751
0	35	198.534	2440.656	2001.751
1	35	168.368	2473.621	2002.751
2	35	144.788	2572.679	2003.751
3	35	145.658	2641.807	2004.751
4	35	142.522	2620.086	2005.751
5	35	133.525	2647.427	2006.751
6	35	194.368	2683.323	2007.751
0	40	42.7104	1467.877	2001.751
1	40	48.92	1941.413	2002.751

2 40 32.3524 2268.625 2003.751  
 3 40 37.1385 2294.433 2004.751  
 4 40 40.5211 2365.229 2005.751  
 5 40 45.6485 2440.656 2006.751  
 6 40 36.5291 2473.621 2007.751  
 2 45 1.55871 185.7823 2003.751  
 3 45 2.13703 608.8677 2004.751  
 4 45 2.29096 1072.177 2005.751  
 5 45 1.8105 1467.877 2006.751  
 6 45 5.64737 1941.413 2007.751

2001.751 2002.751 2003.751 2004.751 2005.751 2006.751 2007.751  
 15 269.74 278.676 222.77 255.139 228.813 253.584 272.658  
 20 706.7 839.714 672.229 723.313 673.108 755.203 890.911  
 25 579.265 617.424 504.931 559.809 608.091 690.912 759.399  
 30 358.402 396.103 277.769 310.879 315.405 315.709 371.357  
 35 198.534 168.368 144.788 145.658 142.522 133.525 194.368  
 40 42.7104 48.92 32.3524 37.1385 40.5211 45.6485 36.5291  
 45 1.55871 2.13703 2.29096 1.8105 5.64737  
 sum 2155.351 2349.205 1856.398 2034.074 2010.751 2196.392 2530.869  
 2 1 0 -1 -2 -3 -4  
 d c b a

tfr2, length(7) trend(1) norates

events	Coef.	Std. Err.	z	P>z	[95% Conf. Interval]
TFR	3.127114	.0261946	119.38	0.000	3.075773 3.178454
TFR_0	3.512376	.0760374	46.19	0.000	3.363346 3.661407
TFR_1	3.667437	.0760921	48.20	0.000	3.518299 3.816574
TFR_2	2.792058	.0650812	42.90	0.000	2.664501 2.919615
TFR_3	2.946809	.0656255	44.90	0.000	2.818185 3.075433
TFR_4	2.814558	.0630244	44.66	0.000	2.691032 2.938083
TFR_5	2.955547	.0633404	46.66	0.000	2.831402 3.079692
TFR_6	3.27743	.0654694	50.06	0.000	3.149113 3.405748

2- Displacement of births from year 0 (cutoff year) at (TFR\_4) and after that I use the equation from 1 to 4 in p 25-26 from the report

$$Db = |2034.074 - 2800.027| = |1090.445 - 1856.398| = 765.9536$$

$$DISPL = 0.70$$

$$TFR = 3.127114$$

Displacement index =  $0.70 / 3.127114 = 0.22 \neq 0.15$  as in the report (I know I did mistake? but where please help me!

Thank you in advance

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Subject: Re: displacement index ? (MR12)  
Posted by [schoumaker](#) on Fri, 24 Jun 2016 09:59:42 GMT  
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Hello,  
Which survey are you using ?  
I will share the code I used for the report.  
Best,  
Bruno

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Subject: Re: displacement index ? (MR12)  
Posted by [zakzok](#) on Fri, 24 Jun 2016 11:02:08 GMT  
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Hello,  
I use EDHS 2008 for recalculate and i will calculate Displacement of births for 2014 EDHS  
all the best,  
thanks.....

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Subject: Re: displacement index ? (MR12)  
Posted by [zakzok](#) on Mon, 18 Jul 2016 08:42:55 GMT  
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dear Dr.Bruno,

I wait your answer? thank you a lot .....

All the best,  
Zak.

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