Subject: Birth interval

Posted by Tesfay on Sat, 28 Sep 2024 13:07:30 GMT

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I am trying to see the effect of birth interval on TFR using pooled Ethiopian DHS data. I want to use the tfr2 command for multivariate Poisson regression in Stata which is only programed on the IR file. So,

- 1. How can I merge birth interval variables (e.g. b11) to the IR file
- 2. How can I estimate the BI that is useful to explain the TFR?

Subject: Re: Birth interval

Posted by Janet-DHS on Thu, 03 Oct 2024 18:15:03 GMT

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Following is a response from DHS staff member, Tom Pullum:

This is an interesting question, but I suggest that you approach it differently, perhaps as "how does the probability of having another birth after m months change according to the value of m (and other characteristics, such as parity and age)?" You can look into this with the BR file. There has been considerable analysis of birth intervals.

The length of the birth interval is a characteristic of two successive births. It is only defined for a pair of births.

Your question goes beyond the scope of what DHS staff can answer on the forum. Perhaps other users will offer suggestions.

Subject: Re: Birth interval

Posted by Tesfay on Mon, 24 Nov 2025 20:58:34 GMT

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Dear Professor Tom Pullum, peace & health to you!

I am bringing a previous question back to your attention. I was working on other parts of my dissertation and found it necessary to test whether the optimal birth interval (the rationale for FP-promotion in Ethiopia) will ultimately affect parity at n, particularly result in a reduction of reaching parity 5+. Here are my questions

- 1) Is my question logical and statistically testable? If so,
- 2)Can I use the b11 and v201 found in the BR file as they are (v201in BR!= v201 in IR? If not, can I merge average b11 from BR to IR?
- 3)If this approach is not reliable, can you give more tips on the issue that you suggested to me last time:

"I suggest that you approach it differently. 'How does the probability of having another birth after m months change according to the value of m (and other characteristics, such as parity and age)?"

Generally, I am trying to empirically???? test the contraceptive-->birth-interval-->parity path, using

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