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Subject: I need Stata codes to compute parameters (Cm, Cc, Ci and Ca) of the Bongaarts' model using DHS data.

Posted by [arbado@gmail.com](mailto:arbado@gmail.com) on Thu, 06 Aug 2020 21:15:52 GMT

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I need Stata codes to compute parameters (Cm, Cc, Ci and Ca) of the Bongaarts' model using DHS data. Any help?

I would like to estimate the parameters (Cm, Cc, Ci and Ca) of the Bongaarts' model on proximate determinants of fertility using DHS data ( $TFR = TF \times Cm \times Cc \times Ca \times Ci$ ).

Can someone share his stata codes with me? It would be greatly appreciated.

Email : [arbado@gmail.com](mailto:arbado@gmail.com)

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Subject: Re: I need Stata codes to compute parameters (Cm, Cc, Ci and Ca) of the Bongaarts' model using DHS data.

Posted by [Bridgette-DHS](#) on Fri, 14 Aug 2020 14:52:27 GMT

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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

I am attaching my "personal" Stata program for this purpose. It is not an "official" DHS program. I put it together in September 2019, after some email exchanges with John Bongaarts and Jocelyn Finlay. It requires age-specific fertility rates that must be prepared separately, as described in the program. It is set up for a Malawi survey. The attached Excel file, obtained via StatCompiler, is the source of the rates for the example. As I recall, the results are close to the published estimates but they may not be exact. You may be able to improve on the program.

#### File Attachments

- 1) [STATcompilerExport2018112\\_74855.xlsx](#), downloaded 443 times
  - 2) [proximate\\_determinants\\_do\\_27Sep2019.txt](#), downloaded 490 times
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Subject: Re: I need Stata codes to compute parameters (Cm, Cc, Ci and Ca) of the Bongaarts' model using DHS data.

Posted by [arbado@gmail.com](mailto:arbado@gmail.com) on Wed, 19 Aug 2020 11:26:51 GMT

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Thanks for sharing these useful resources.

Best regards,  
Aristide

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