Subject: Re: Variable for Age-Specific Fertility Rate
Posted by schoumaker on Fri, 13 Mar 2020 08:17:22 GMT
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Hello,

tfr2 allows you to estimate the effects of individual level variables on fertility.

For instance,

xi: tfr2 i.v106

will provide rate ratios by level of education.

xi: tfr2 i.v106 i.v025

will provide rate ratios by level of education and place of residence.

tfr2 uses a Poisson regression. These models assume that the age pattern of fertility is the same across categories of explanatory variables. This is usually OK, but you may want to relax that assumption.

The tabexp stata command (that comes with tfr2) can be used to prepare data that you cana analyze with a Poisson regression (or another model). tabexp will give you the number of births and exposure for the combinations of variables that you would like to include in your model.

For instance

xi: tabexp i.v106 i.v025

If you wan to take account of clustering in your model, type

xi: tabexp i.v106 i.v025, cluster(v001)

Hope this helps,

Best.

Bruno