Subject: Re: Sex ratio at 2nd birth order
Posted by Bridgette-DHS on Tue, 25 Jul 2023 17:04:25 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

The following Stata program, which can be used with any IR file, calculates a new set of variables giving the sex of the child indexed by birth order rather than bidx (which is 1 for the most recent birth, etc.). It can be modified to be more general, if desired, to index any or all of the b variables by birth order rather than bidx.

use "...IAIR7EFL.DTA", clear

* Recode the b variables so they are indexed by bord rather than bidx
* Illustrated for just b4, sex of the child

* Based on the relationship bidx+bord=v201+1

rename *_0* *_*

* construct a new variable, sex, that is b4 indexed by bord rather than bidx

forvalues lceb=1/20 {
gen sex_`lceb'=.
  quietly forvalues lbord=1/`lceb' {
  local lbidx=`lceb'+1-`lbord'
  replace sex_`lbord'=b4_`lbidx' if v201==`lceb'
  }
}

tab1 sex_*
tab sex_2 sex_1 [iweight=v005/1000000],col