
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
```