
Subject: Ratio of girls to boys in a family

Posted by [sumonrupop](#) on Sat, 26 Jan 2019 04:27:23 GMT

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Dear all,

Can anyone help me to calculate the ratio of girls to boys in a family? I found this should be calculated by using b2_01, b2_04, and b2_05 variables in IR file, but facing a problem when I tried to count male and female child.

Thanks in advance.

Sumon

Subject: Re: Ratio of girls to boys in a family

Posted by [Bridgette-DHS](#) on Tue, 29 Jan 2019 13:12:52 GMT

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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

There are two ways to do this. The easy way is with the first two lines below. The second way is to loop through the b variables, as you were trying to do. The last three lines will confirm that you get the same results with both methods.

```
gen boys1=v202+v204+v206
gen girls1=v203+v205+v207
```

```
ren b*_0* b*_*
local li=1
while `li'<=20 {
  gen boy_`li'=1 if b4_`li'==1
  gen girl_`li'=1 if b4_`li'==2
  local li=`li'+1
}
```

```
egen boys2=rowtotal(boy_*)
egen girls2=rowtotal(girl_*)
```

```
correlate boys*
correlate girls*
summarize boys* girls*
```
