



## Exercise 5. Sex Ratio

**Purpose:** Because Census data typically is provided in a spreadsheet form and usually in *Excel* format this exercise will cover some of the basic operations necessary to use *Excel* to analyze Census data..

### Calculating the Sex Ratio

1. Open the California cities file, *CalifCities*.
2. Create a new column showing the ratio of the number of males divided by the number of females.
3. Copy the City Name, Total Population, and Male/Female ratio to a new spreadsheet. Sort the cities by M/F ratio.
4. What cities have a greater proportion of males?
5. What cities have a greater proportion of females?
6. Are there any large cities with an extreme value?
7. Can you give any reasons for the rather extreme values?

### Exercises

-Compute the sex ratio for persons under age 18 and over age 64. Normally the number of males exceeds females in the early years while the number of females is greater for older persons.

-Compute the ratio of female income to male income. For example, you could download median earnings for males and females (P85) to compare income by gender.

Compute the ratio of ethnic income to non-Hispanic White income. Download median household income by race and create ethnic to white income ratios for different groups. (p155A – P155I)