

## Data and Statistics

## Collecting and Describing Data

**Displaying Data**

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**Example 1**

1. Make a double-bar graph.

Data Set 1: 11 10 13 11 12 13 13 9 10 11 12 10

Data Set 2: 13 11 12 12 11 9 10 11 12 10 9 11

**Example 2**

2. The Freshman National Merit Scholars and their schools are listed for 2004. Use the data to make a histogram with intervals of 50.

Vanderbilt, 144; Princeton, 192; Duke, 90; Stanford, 217; Yale, 224; Northwestern, 152; Rice University, 173; Cal Tech, 51; University of Chicago, 198; M.I.T., 134; University of Texas-Austin, 242; Washington University, 197

**Example 3**

3. Make a double-line graph of the given data. Use the graph to estimate the life expectancies of a male and a female born in 1997.

Life Expectancy by Birth Year (U.S.)					
Year	1980	1985	1990	1995	2000
Age Male	70.0	71.1	71.8	72.5	74.3
Age Female	77.4	78.2	78.8	78.9	79.7

Source: National Center for Health Statistics