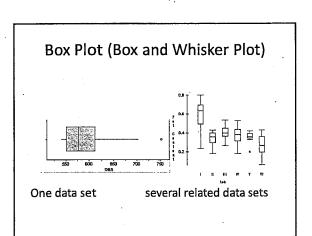
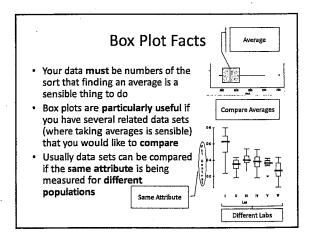
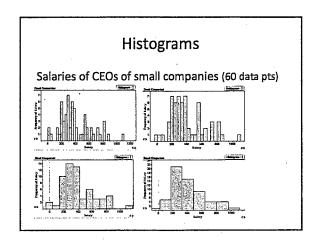
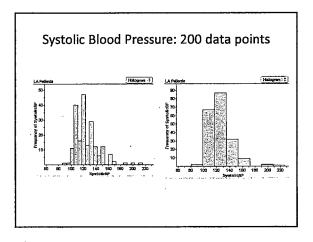
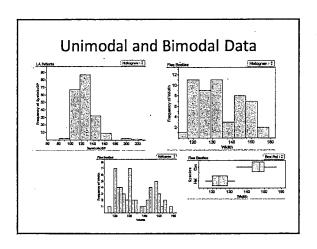
Data graphing facts

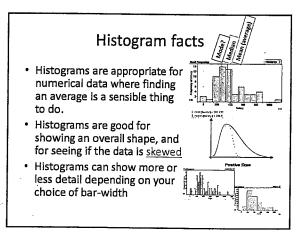


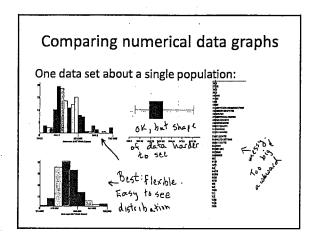


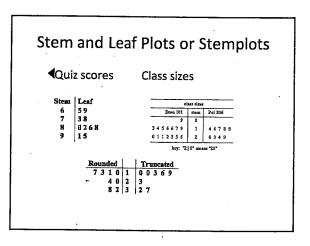


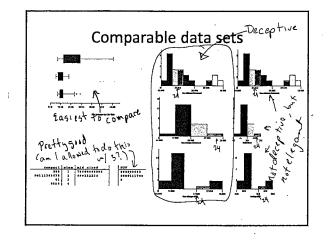






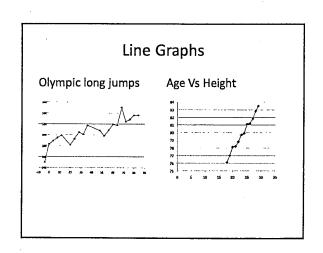






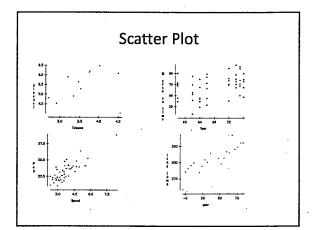
## Stem and Leaf Plot Facts

- Can be used only with numerical data for which finding an average makes sense
- All of the data numbers appear in the plot (though often rounded)
- · Shows shape of the data distribution
- · Easy to make
- Most useful if you want to see a limited number of place values and if you have a moderate number of data points (not too small, not too large)



## Line Graph Facts

- **Best** at showing trends in a numerical data that changes over time
- Always paired data where
  - Independent data is a number or something else ordered (data/time)
  - Only one "y-value" for each "x-value"



## **Scatter Plot Facts**

- Scatter plots can only be made for paired numerical data
- Each data pair is data collected taking two different measurements of the same individual
- Scatter plots help show correlation—when the data values are related in some way
- Scatter plots can show change over time, but often do not.

