Histograms, Scatter Plots, and Best Fit Lines Worksheet Answer Key

Or You Can Pick up a Pair of Relaxed Fit Lines

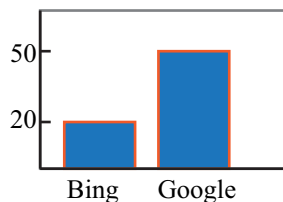1. Build a stem and leaf plot for the list: 32, 44, 38, 39, 46, 50.

Stem	Leaf
3	2,8,9
4	4,6
5	0

   Key: 3|2 means 32.

2. Build a stem and leaf plot for the list: 0.4, 0.5, 1.3, 1.6, 2.5, 3.1.

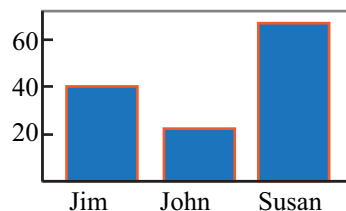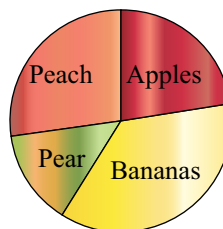 | Stem | Leaf |
   |------|------|
   | 0 | 4,5 |
   | 1 | 3,6 |
   | 2 | 5 |
   | 3 | 1 |

   Key: 0|1 means 0.1.

3. Draw a bar graph that represents 50 Google users and 20 Bing users.

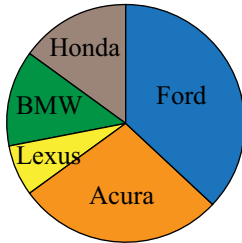4. Draw a bar graph for the salaries of the following college graduates: Jim earns $40K, John earns $22K, and Susan earns $65K.
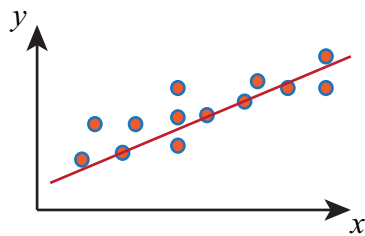

5. Draw a pie chart that shows a distribution of 5 apples, 8 bananas, 3 pears, and 6 peaches in a fruit basket.

6. Draw a pie chart that shows the distribution of cars in the parking lot: 20 Ford, 15 Acura, 4 Lexus, 7 BMW, and 8 Honda.

7. Draw the best line of fit for the following scatter plot.

8. The more Angela works out, the lower her heart rate goes. Which type of correlation does this show?

The time Angela spends working out is negatively correlated to her heart rate.

9. The more TV Angela watches, the more Twinkies she eats. Which type of correlation does this show?

The time Angela spends watching TV is positively correlated to the number of Twinkies she eats.

10. What is the correlation between a student's hair color and his or her GPA?

None.