**Reading Quiz**

1. If we are using the median to measure the center of a distribution, we usually use the _______ to measure the spread and if we use the mean to measure the center, we usually use the _______ to measure the spread.

2. What is the five number summary of this set of numbers?

   \[ 1, 4, 9, 16, 25, 36, 49, 64, 81, 100 \]

**Outline**

1. Histograms and area

2. Using curves to approximate histograms

3. Density curves

4. The mean (\( \mu \)) and median of a density curve

5. The normal distributions

6. A normal distribution is characterized by its mean (\( \mu \)) and standard deviation (\( \sigma \)).

7. The 68-95-99.7 Rule

Remember: problems 24, 26, 44 and 38/46 of Chapter 2 are due tomorrow. (The last two go together.) You will need to use an applet from the textbook webpage which you can access from the course webpage.
Old Faithful

M and M

Visitor’s Scores

Weight of Chicks