

Homework #5 - Statistics

Date _____ 5K _____

Find the mean, median and mode for each data set.

1) Mens Heights (Inches)

$$64 + 67 + 66 + 67 + 74 + 70 + 67$$

$$67 + 74 + 72 + 72 + 75 + 71 + 65$$

$$67 = \frac{1038}{15}$$

Mean: 69.2

64, 65, 66, 67, 67, 67, 67, 70, 71, 72, 72, 74, 74, 75

Median = 67

mode = 67

2) Annual Precipitation (Inches)

$$43 + 27 + 18.6 + 47.4 + 31.4 +$$

$$18.8 + 33.2 + 26 + 17.8 + 12.6 +$$

$$51.8 + 50.6 + 56.6 + 43.4 + 20.4 = \frac{498.6}{15}$$

mean: 33.24

12.6, 17.8, 18.6, 18.8, 20.4, 26, 27, 31.4, 33.2, 43, 43.4,

median: 47.4, 50.6, 51.8, 56.6

31.4

mode: no mode

3) Injuries Due to Distracted Driving per Month

$$7,973 + 5,491 + 6,056 + 6,889$$

$$5,746 + 8,716 + 11,276 + 7,771$$

$$7,157 + 11,915 + 7,528 + 8,134$$

$$10,395 + 10,508 + 7,278 = \frac{122,833}{15}$$

Mean: 8188.87

5,491, 5,746, 6,056, 6,889, 7,157, 7,278, 7,528, 7,771, 7,973,

8,134, 8,716, 10,395, 10,508, 11,276, 11,915

Median:

7771

mode: no mod

4) Hours Slept

$$6.25 + 8 + 7.25 + 6.25 + 8$$

$$8.5 + 6 + 6.75 + 8.25 + 8.5$$

$$6.25 + 8.5 + 8.75 + 7.25 + 6.5 = \frac{111}{15}$$

mean: 7.4

6, 6.25, 6.25, 6.25, 6.5, 6.75, 7.25, 7.25,

8, 8, 8.25, 8.5, 8.5, 8.5, 8.75

median: 7.25

mode: 6.25 and 8.5