

Brief Article

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Chapter 1

Workshops

Solution 1.1-1

all adults with normal vision.

Solution 1.1-2

the 1,347 teachers who mail back the questionnaire.

Solution 1.1-3

three

Solution 1.1-4

Rate of California is [1] 8.768816

Rate of Florida is [1] 23.75374

Rate of Illinois is [1] 10.39501

Rate of Nevada is [1] 42.45283

Therefore, Nevada has the highest number of death row prisoners.

Solution 1.1-5

Rate of Michelle's income is [1] -76.19048

Solution 1.1-6

[1] 78

is not equal to 100%.

Solution 1.1-7

A good choice of a graph would be a bar chart.

Solution 1.1-8

right skewed, mean, median.

Solution 1.1-9

counts or percents, mean, median.

Solution 1.1-10

Min. 1st Qu. Median Mean 3rd Qu. Max. -2.0000 0.0000 1.0000 0.8182 2.0000 3.0000

$Q_1 = 0$

Solution 1.2-1

Min. 1st Qu. Median Mean 3rd Qu. Max. 1.00 2.00 4.00 5.00 4.75 22.00

Therefore, $Q_3 = 5$

Solution 1.2-2

Therefore, $s = [1] 6.164414$

Solution 1.2-3

Therefore, $IQR = [1] 2.75$

Solution 1.2-4

Proportion is Standard deviation would change.

Solution 1.2-5

the median will be larger than the mean.

Solution 1.2-6

The point estimate is you made an error in your calculations.

Solution 1.2-7

all the observations have the same value.

Solution 1.2-8

The plot shows that most poultry hotdogs brands have fewer calories than most beef and meat hotdogs, but a few poultry hotdogs have more calories than the median beef and meat hotdogs.

Solution 1.2-9

The box in each box plot marks the range covered by the middle half of the data.

Solution 1.2-10

mean of curve A is less than mean of curve B and standard deviation of curve A is less than standard deviation of curve B.
