BRIEF ARTICLE

THE AUTHOR

1. Measures of Central Tendency

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Solution 1.9-1
(3.) 32.167, 32.5, 35

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Solution 1.9-2
2. The three value must be 22.

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Solution 1.9-3

The mean is Mean 472.6
The median is Median 555
There is no mode since there are no duplicates.
1. the greater value is the median (555). **2.** There is a negative skewness in the middle half the of the data.

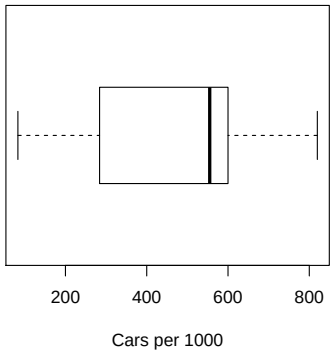

Figure 1. Boxplot of Cars per 1000

3. When we compare the median to the mean, we find the median (555) is greater the mean (472.6). Therefore, we can say the the dataset is left skewed.

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Solution 1.9-4
(1.) Mode **(2.)** Median **(3.)** Mean **(4.)** Mean **(5.)** Median **(6.)** Mode

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Solution 1.9-5
Birth Mode="North"; **Legal** Median=3; **Expense** Mean=48.5; **Movies** Mean=5.8; **Food** Median=6; **Religion** Mode="Protestant"

2. Measures of Dispersion

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Solution 2.9-1

$$range = (X_{max} - X_{min}) = 42 - 16 = 26$$

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Solution 2.9-2
35

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Solution 2.9-3
SD = 1.581