PSYCH 203

Descriptive Statistics Homework

The CTARidership.xls file contains the number of rides that originated at every single train station (n=145) on 9/30/2018. Using the "rides" column, answer the following questions.

* What is the central tendency in these data?

Report the mode, median, and mean.

MODE: 1051

MEDIAN: 1282

MEAN: 2043

* What is the variability in these data?
  + Assume these cases reflect the entire population. Report the range, variance, and standard deviation.
  + Assume these cases are a sample drawn from a larger population. Report the range, variance, and standard deviation.

For Population:

Range: 11,521

Variance: 5025262.09

Standard Deviation: 2241.709635

For Sample:

Range: 11,521

Variance: 5060403.782

Standard Deviation: 2249.534126