

Homework Exercise 1

W203 Instructional Team

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W203 Statistics for Data Science

Unit 1 Homework

Exercise

Load the dataset found in the file, cars.csv.

1. What are the variables in the file?
2. Find the mean, median, minimum, maximum, 1st quartile and 3rd quartile for the mpg variable.
3. Create a histogram of the mpg variable.
4. What is the standard deviation of mpg variable?
5. What is the variance of mpg variable?
6. What is the relationship of the standard deviation to the variance? Why does the standard deviation and variance of the mpg variable differ?
7. How many data points are there for the cyl variable?
8. What is the mean of the cyl variable?