Homework 1

Introduction to Data Science (QR2)

due: **9/16/25**

Instructions: Please submit solutions on Populi. Only a knitted pdf of an `Rmarkdown` file will be accepted.

Problem 1: Choose a concept you found interesting from *The Art of Statistics* introduction and chapter 1. Describe the concept and find an example of it in the news cycle from the past week. Cite your source.

Problem 2: This problem will confirm you have R and RStudio up-and-running! Load the `cars.csv` data into your local R workspace.

a. Describe what this data set contains?

b. How many observations and how many variables exist?

c. Provide a summary of the variable ranges.

d. How many cars are all-wheel-drive (AWD)?

e. What is the average horsepower across all cars?