Homework

# Dataframes – Doing Some Initial Data Analysis

Explore the mtcars dataset (which is already included in R). Copy the mtcars dataset into a new variable (called it myCars), so that if you mess up, you can start again (by copying mtcars into myCars again).

**Step 1: Which car has the best hp (hp stands for “horse power”)**

1. Is higher or lower hp best?

2. Which car has the best hp?

**Step 2: Explore mpg (mpg stands for “miles per gallon”)**

3. What is the highest mpg?

4. Which car has the highest mpg?

5. Create a sorted dataframe, based on mpg.

**Step 3: Which car has the “best” combination of mpg and hp?**

6. What logic did you use?

7. Which car?

**Step 4: Which car has “best” combination of mpg and hp, where mpg and hp must be given equal weight?**