

IST687 – Writing functions and 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 very easily (by copying mtcars into myCars again).

Step 1: What is the hp (hp stands for “horse power”)

- 1) What is the highest hp?
- 2) Which car has the highest 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” car combination of mpg and hp, where mpg and hp must be given equal weight?