Welcome to our first assignment.

Please open a new Rscript  and call it "section 4 assignment"

in this assignment, we will work on the car's data set. it has the features of 400 cars from horsepower to speed and price.

part 1:

1- How many Rows are in the cars dataset?

2- How many Columns are in the car's data set?

3- How many unique numbers of cylinders we have in the cars dataset?

4- what is the average horsepower of cars? hint: summary function will be helpful.

5- what is the maximum horsepower?

6- what is the most expensive car?

7- change the name of the column "name" to "car name"

part 2:

8- make a subset of the data that has the car name and the price and name the new subsetted data frame  car pricing.

9- create a function called pricing category that returns "Budget Car " if the cars are less than 20,000 USD," Suitable Car " is the car is more than 20,000 and less than 35 000 and finally an expensive car for cars more than 35000.

**Check the function screenshot "price\_category\_function.png" in the resource folder please for guidance.**

10- create a column named category on the subset using a for loop and pricing category function.

11- How many Budget cars, suitable cars, and expensive cars we have?

As always, please first try to answer on your own and then have a look at the solved script(attached).

All the best,

Haytham

Rescale analytics