Week 9 Lab Instructions (3%)

Data cleaning and preparation

Get the lab supervisor check progress in the lab to get marks! Before approaching the lab supervisor for marking, make sure you run all cells!

This exercise uses the provided 'Automobile_data.csv' dataset

a. Read the dataset into a pandas dataframe and prints the first and last 10 rows.

b. Replace all column values which contain '?', na or empty with NaN and write to update 'Automobile_data.csv'.

c. Find the company name of the most expensive car.

d. Print all bmw car details.

e. For each company, count the total number of cars and then finds the car detail with the highest price.

f. For each company, find the average mileage.

g. Sort all cars by price and then by horsepower.