Homework #1 Due Friday, September 8, 2023 by 11:59 pm.

Please do these problems in a Jupyter Notebook. Submit your answers as a pdf file on Canvas.

Download data Cars93.csv from Kaggle:

https://www.kaggle.com/datasets/anand0427/cars93

(a) Create a bar chart for the categorical variable "Manufacturer."

(b) Create a bar chart for the categorical variable "Type."

(c) What conclusions can you draw from the above two charts?

(d) Create density histograms for the variables Min.Price, Max.Price, Weight, and Length using a different color for each histogram using an appropriate number of bins.

(e) Superimpose normal density curves over the histograms in (d). Visually inspect and comment which variables seem to follow the normal curve (bell-shaped) and which ones are not.