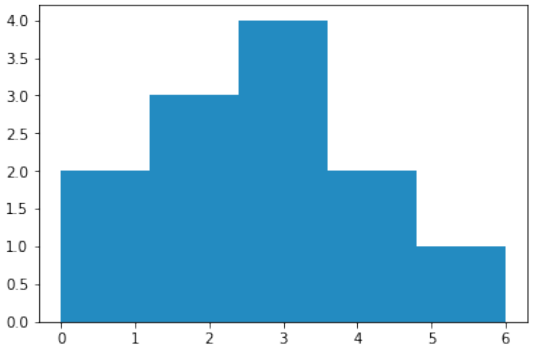
DS 201X Lab7 – Automotive (Plots using Matplotlib and Pandas)

Using Histograms in Mathplotlib to show the city-mpg with bin size = 6

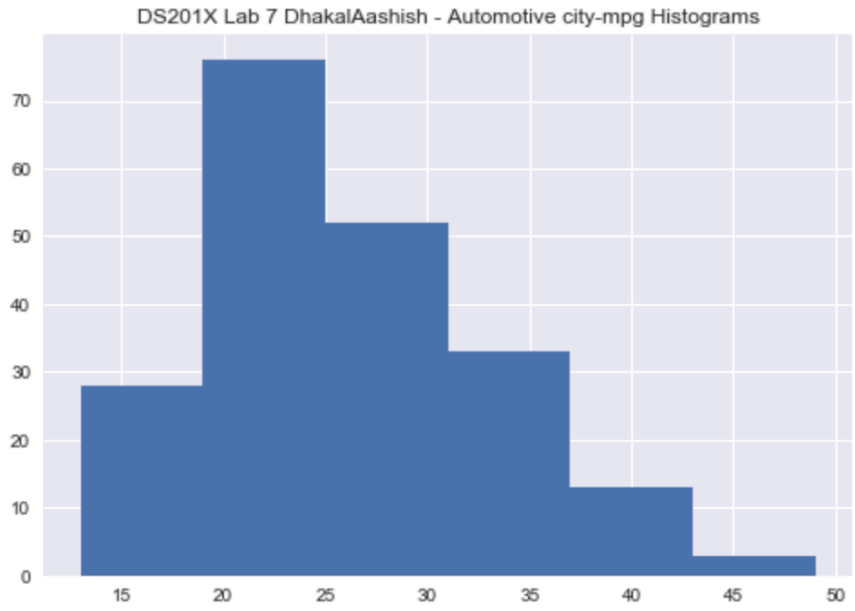
Sample: guide to use Histograms

https://pandas.pydata.org/pandas-docs/stable/visualization.html

values = [0,0.6,1.4,1.6,2.2,2.5,2.6,3.2,3.5,3.9,4.2,6]
plt.hist(values, bins = 5)
plt.show()



1. Create a .ipynb file and name it "DS201X_Lab7_LastFirst"
2. Read the data from: Automobile_price_data *Raw*_clean.csv
3. Examine your data by using .head() and describe()
4. Use matplotlib inline plot to shows histograms of city-mpg
   YOUR-DATA-FRAME.plot.hist(bins=15)
5. Use matplotlib plot to get this result
   - with correct title
   - bin size = 6
   - end with plt.show()



6. Create a box-plot using “mileage per gallon in city” and group it by “make” column. (as done in previous lab)
7. Create a scatter plot diagram using “Engine size” and “Miles per gallon in city” column. Use “curb-weight” column data to provide color for each point.

8. Submit the “.ipynb” file online in canvas.