

The problem I need to solve is figuring out how to graph the car data we have into several useful plots to visually summarize the data. For example, one plot I need to create is a box-and-whisker plot of the prices of the cars in the dealership. To do this I will use the “seaborn” python data library.

The main things I figured out were:

- how to make certain plots such as pie charts and boxplots
- how to customize the plots (color, axes, and title)
- how to create an “other category” in the pie chart to group together smaller data points for a cleaner look

*NOTE: I am currently still trying to find a workaround for how to show matplotlib and seaborn plot at the same time.

File containing my solution: plotdata.py

Directions:

- Need seaborn library
- install seaborn using 'python3 -m pip install seaborn'
- If you're using macOS go to Macintosh HD > Applications > Python3.6 folder (or whatever version of python you're using) > double click on "Install Certificates.command" file ****I don't have windows or linux so I don't know if users of those operating systems will need to do this step, but I did as a mac user.****
- If above does not work, seaborn runs great in jupyter lab