CS433/CS603 Programming Assignment Plotting

Please follow the instructions to complete the following Python programs. For each program, please also provide your own testing cases. Please complete them in either Jupter notebook or with .py file and submit your programs and running results.

real estate transaction .csv file

Create a grid of scatter plots with each one representing the sq_ft distribution in a single zipcode, please also include ticks, labels and legend in your plot

Create a grid of scatter plots with each one representing the price distribution in a single zipcode, annotate the highest and lowest price ones for each category of real estate: condo, residential and multi-family, please also include ticks, labels and legend in your plot

Create a grid of bar plots with each one representing a single zipcode and in that zipcode the sq_ft distribution is grouped by the category of condo, residential and multi-family, please also include ticks, labels and legend in your plot

Create a grid of bar plots with each one representing a single zipcode and in that zipcode the price distribution is grouped by the category of condo, residential and multi-family, please also include ticks, labels and legend in your plot

Plot the average price distribution based on zipcode for each category of real estate: condo, residential and multi-family, please also include ticks, labels and legend in your plot

Plot the average price distribution based on city for each category of real estate: condo, residential and multi-family, please also include ticks, labels and legend in your plot

SP500.csv file

Plot daily gain/loss for January of 2018, annotate the highest daily gain and its date, the highest daily loss and its date in January 2018

Make pair plot matrix of January 2018 SP500 data on high, low, adj close and volumn