**Programming Assignment**

1. Download the housing dataset referenced in the

textbook on page 279.  https://archive.ics.uci.edu/ml/datasets/Housing

1. Pick a number of features that you think may be correlated and plot pairs of them to confirm that they are correlated.
2. Pick one feature that you think can be predicted by the other features in the dataset. The feature to be predicted needs to have numerical values.
3. Separate the data into training, validation, and test sets.
4. Apply various Scikit Learn regression methods to the data.
5. Quantify how good a job each method did in predicting the value of the dependent variable (using your test data set). Discuss why you believe each method performed as it did.
6. Repeat steps 3. to 6. for a second feature.
7. Upload your .ipynb file to NYUClasses. Include your discussions (Step 6.) in either a Word or pdf file or (preferably) in a cell (or cells) in your notebook with your code.