Resources used for Linear Regression:

Sample Code from UNCC Course work, examples

Zoom Meeting examples.

Tutor Sessions

https://pandas.pydata.org/docs/reference/api/pandas.pivot\_table.html

https://www.geeksforgeeks.org/how-to-sort-pandas-dataframe/

https://www.freecodecamp.org/news/how-to-sort-values-in-pandas/

https://pandas.pydata.org/docs/reference/api/pandas.DataFrame.loc.html

https://stackoverflow.com/questions/29934083/linear-regression-on-pandas-dataframe-using-sklearn-indexerror-tuple-index-ou

https://machinelearningmastery.com/how-to-prepare-categorical-data-for-deep-learning-in-python/

https://machinelearningmastery.com/regression-tutorial-keras-deep-learning-library-python/

column transformer to standardize data

https://scikit-learn.org/stable/auto\_examples/compose/plot\_column\_transformer\_mixed\_types.html

https://stackoverflow.com/questions/57754373/train-test-split-method-of-scikit-learn

https://builtin.com/data-science/train-test-split

https://datascience.stackexchange.com/questions/97091/do-we-need-labels-in-the-test-set-while-carrying-out-supervised-learning

https://www.tutorialspoint.com/scikit\_learn/scikit\_learn\_linear\_regression.htm#:~:text=coef\_%20%E2%88%92%20array%2C%20shape(n\_features,targets%20are%20passed%20during%20fit.

https://stackoverflow.com/questions/17197492/is-there-a-library-function-for-root-mean-square-error-rmse-in-python

Root Mean Square

https://statisticsbyjim.com/regression/root-mean-square-error-rmse/#:~:text=By%20considering%20the%20scale%20of,error%20rate%20of%20only%204%25.

https://www.educative.io/answers/calculating-mean-squared-error-in-python

https://stackoverflow.com/questions/54613144/how-to-calculate-the-rmse-on-ridge-regression-model