Final project

So far we have been working on the data preparation, we had some trouble understanding what exactly was expected so we had done our codes a little wrong. So for now we are working on just a single column and using the different regression models on just that to make sure we are understanding and doing the codes right. After we are able to do this correctly we will work on adding the other 4 columns into the code. The regression models we wanted to try for now are

* Liner regression
* Gradient boosting
* MPL
* SVR

So far from our understanding and by talking with classmates for using the 5 different columns to test the models we need to use a loop. We would make an array of sorts with the different column inside, then we would loop through them and use the different regression models on them.

**New Submission (MLP Regression)**

**Observation:**

The accuracy changes when the number of neurons, number of hidden layers, max iteration, epochs, and activation function changes. Basically, when the hyperparameters changed, the accuracy changes as well. We tried and changed these hyperparameter to get higher accuracy and we realized that there are at least thousands or hundreds of possible patterns of these hyperparameters.