1. The models I plan to use are:
   1. Lasso regression
   2. K-nearest neighbor
   3. Artificial neural network
2. The hyperparameters for each model:
   1. For Lasso Regression, I will change the max\_iter value to 5000.
   2. For K-Nearest Neighbors, I will be using normalization on the data.
   3. For Artificial Neural Network, I will be increasing the size of the hidden layer to 200.
3. Experiments for each model
   1. K-Nearest Neighbor
      1. I can do one experiment where I change the value of k to a certain value such as 10
      2. I can do hyperparameter tuning to test a range of values for k from 50 to 100
      3. I can change the P value from 2 to 1 to use the Manhattan distance
   2. Artificial Neural Networks
      1. I will do one experiment where I change the activation function to identity.
      2. I will do one experiment where I change the activation function to logistic.
      3. I will do one experiment where I change the activation function to tanh.