Finding the right value of k

Finding the Optimal k Value

Arguments that we change in a machine learning algorithm are called **Hyperparameters.**

The process of finding the right hyperparameter value is called **Hyperparameter Tuning.**

Finding the Optimal k Value

1 Select a range of values for K

2 Implement the KNN model for every value of k in the range

3 Calculate the error generated by the model for every value of k and plot it

Determine K using Elbow Method