**K Nearest Neighbour Algorithm**

K Nearest Neighbour algorithm falls under the Supervised Learning category and is used for classification and regression problem statements.

It is a versatile algorithm also used for imputing missing values and resampling datasets. As the name (K Nearest Neighbour) suggests it considers K Nearest Neighbours (Data Points) to predict the class or continuous value for the new Data Point.

Its aim is to locate all of the closest neighbours around a new unknown data point in order to figure out what class it belongs to. It’s a distance-based approach. The similarity is defined according to a distance metric between two data points

K Nearest Neighbour algorithm can be useful in the medical field, in politics and voting, in banking systems and economics. Streaming platforms like Netflix use KNN algorithm for recommendations to their users as well as, predicting the rating of a show or film by comparing previous data.