Decision Trees – Recommending App to user based on their age and gender.

Naïve Bayes – Detecting Spam E-mails.

Gradient Descent – Reducing the error function until we find the minimum value.

Logistic Regression – Classifying data into two categories and separating them using a line.

Support Vector Machine – Maximizing the distance between the line separating two different data categories.

Neural Networks – Various nodes involved in decision making process getting input from one and outputting the decision.

Kernel Method –

K-Means Clustering – Clustering data to n numbers of clusters.

Hierarchical Clustering – Used when number of cluster is not know but the distance separating them is known.