**NAÏVE BAYES**

Naive Bayes methods are a set of **supervised** learning algorithms. It is one of the simple and most effective Classification algorithms for both **binary (two-class) and multi-class classification problems.**

It is a probabilistic classification model in machine learning. The algorithm draws its influence from Bayes theorem. Bayes theorem is a formula that offers a conditional probability of an event A happening given another event B has previously happened.

**It helps in building the fast machine learning models that can make quick predictions**. It is a probabilistic classifier, which means it predicts on the basis of the probability of an object. It is **useful for making predictions and forecasting data based on historical results**.