**Naive Bayes**

The Naïve Bayes algorithm is a **supervised machine learning** algorithm that solves classification problems and is based on the Bayes theorem. It is primarily used in text classification with a large training dataset.

Naive Bayes employs a similar method to predict the likelihood of various classes based on various attributes. Naive Bayes works well with Natural Language Processing (NLP) for text classification in social media **sentiment analysis** to classify opinions as positive, negative, or neutral. It is also useful for real-time prediction and spam filtering.