

Naive Bayes Classifier

Statistical Dependence

In statistics, two events are dependent if the occurrence of one of the events causes the probability of the other event occurring to change in a predictable way.

Bayes Theorem

Bayes Theorem calculates the probability of A given B as the probability of B given A multiplied by the probability of A divided by the probability of B: $P(A|B) = {P(B|A)*P(A)}/{P(B)}$

This theory describes the probability of an event (A), based on prior knowledge of conditions (P(B|A)) that might be related to the event.

Statistical Independence

In statistics, two events are independent if the probability of one event occurring does not affect the probability of the second event occurring.





