

the event.

Baye's Theorem: $P(A/B) = P(B/A) \cdot P(A)$ P(B)

where, A, B: events

P(A/B) -> conditional probability, the likelihood of event A occurring, knowing that B occurs.

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P(A) and P(D) & marginal probabilities.

This model Ossigns Class labels (in this case, 'Diabetic' / Non-digbetic') to problem instances, represented as vectors of features values. The class labels are drawn from a finite set.

A family of algorithms based on one common principle from the Naive Bayes

Classifier.

The principle is ->

A particultor feature is independent of the value of any other feature, given the class variable, each feature contributes independently to the probability of the positive outcome, regardless of any possible correlations

