

The Art of Analytics

EXPLORING VALUE FROM DATA

Gaussian Naive Bayes

Gaussian Naive Bayes is a popular algorithm for classification tasks, particularly when dealing with continuous numerical features. It is based on Bayes' theorem and assumes that the features follow a Gaussian (normal) distribution.

Bayes Theorem

Already covered in 12th

LIKELIHOOD

The probability of "B" being True, given "A" is True

P(A|B)

P(B|A).P(A)

POSTERIOR

The probability of "A" being True, given "B" is True

PRIOR

The probability "A" being True. This is the knowledge.

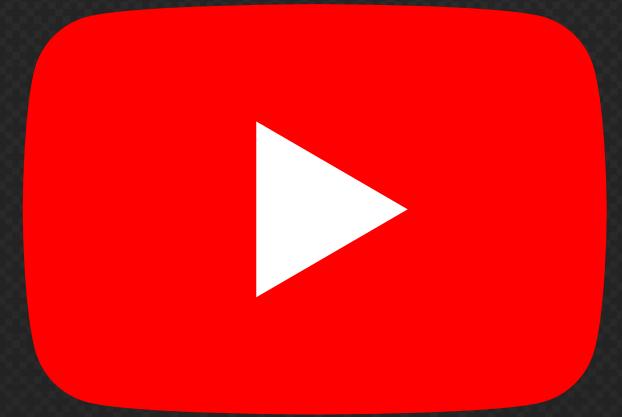
MARGINALIZATION

The probability "B" being True.



Watch Me

GaussianNB



Watch Me

**GaussianNB
(optional)**

Thank You

IN CASE OF ANY DOUBT, FEEL FREE TO ASK ME

EXAMPLE FILE SHARED IN THE GROUP