# Variants of Naive Baye's

- 1) Bernoulli Naive Bayes
- 2) Multinomial Naive Bayes
- 3 Gaussian Naire Bayes

### (i) Burnoulli Naive Bayes

Whenver your features are following a Bernoulli Distribution, thun we me Bernoulli Naive Baye's

#### Dataner

#### Burnoulli - 0,1

## 2 Multinomial Naive Bayes => IP = Text

Datement: Schaiment Analysis

The product is really good

0/2

Negative

Positive

V

The product is bad

Numerical Values => Natural lenguage Processing

- 1) BOW
- 2 Tf-IDF
- 3 word 2 vec

### 3 Gaussian Maire Bayes

If the features are following Gaussian Distribution then we use Gaussian Naive Baye's Algorithm to Some Classification problem

IRIS Da



## [continuous feating]

Age	Height	way hf	YUIN.
25	170	78	
38	160	75	
12	in in		
34	140		