Variants of Naive Baye's

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

1) Bernoulli Naire Bayes

Whenever your features are following a Bernoulli Distribution, then we held to use Bernoulli Naive Baye Algorithm.

	Datant			Burnoulsi -	→ 0,1
fı	f2	f3	0/6		
Yus	Pass	Male	YUS		
Yes	Fail	Female	No		
No	Pais	Mak	Yu		
Yus	Fail	Frugle	No		

2) Multinomial Noive Bayes => Ip = Text

Datesit: Spam Classification

Off

If Description of Spam Not Spam

Featre

You have Million & lotting Spam

KRISH YOU HAVE DONE HAM

Numerical Values => Natural Language Procuring

Volumes

© Bow

Vectors

© 7f-Idf

© Wood 2 vec

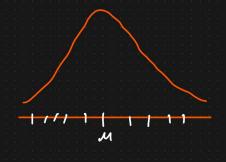
3 havsvien Naire Bayes.

If the fearnes are following Goursian Dismbution, then we use

Gaussian Naire Bayes

DATASET -> (ONTINUOUS

IRIS Dataset



Age	neight	Weight		\	ſ	く	1	N	D	
25	170	78								
38	40	75								
12	150	60								
19	1 1 1 7 0 1	35								