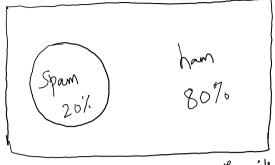
10 February	2018 11:19
	Naive-Bayes -> 70% probability of Rain
•	- Proof so hand for limitar Condition of a day
	in past it has grained TO days our of
_	Naive bayer uses the Iraining data to Calculate an observed
	probability of Cach ontrome based on evedence given by features
	Ex Text classification, Diagnoise symptoms.
	Information from many features may be Considered to inscrease  The overall performance of model  Sperif M, -> Span Span Span Span Span
	The overall performance of model CC Apply Cosh back Dudate
	Span × Span ×
	Sport M3 -> 5/m / Sporm Sporm Sporm
∢	Includes - Weak variables -> Impart I if no of Valuables 1
<i></i>	the evidence in
	Hand across Multiple trials of the event occourance
	Mand accross months
	Event Irial -> Probability = Sourcess toods Head Coin toss
	Spann Incoming small $\Rightarrow P(A) = \{0 \text{ to } 1\}$
	Win lottery Ticket purchase -> Mutnally exclusive (&) Collectively Expansive.
$\rightarrow$	Camol occour at a same time (E) they are the only possible

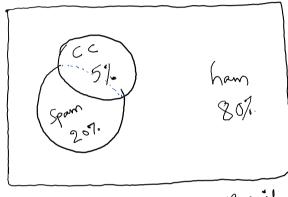


Cmails

Join probability

Not all "ce"mails are span

Not all span mails will have "Cc"



email

P(Span ncc) => Independent ev w) -> Dependent event

Independent event

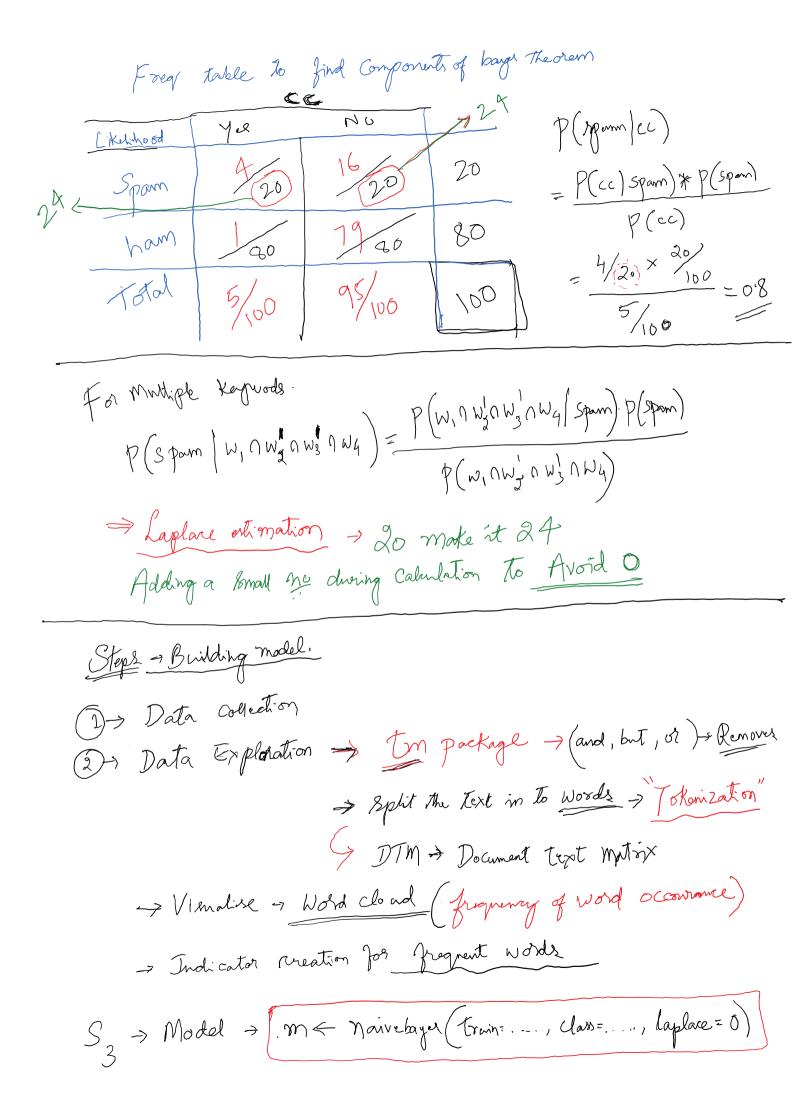
S

CC

P(ANB)=P(A) \* P(B) - 0.2 \* 0.05 = 0.01 Dependent > Baris of Predictive Modeling

 $P(A|B) = P(AB) = P(B|A) \cdot P(A)$ 

p (cc | spam). p (spam)  $P(Spam)cc) = \frac{P(censpoun)}{P(cc)} =$ P (cc)



Sy > Evaluate > Confineion matrix > other ways

So > Improvent > Laplace = 1 / change & Run

So > Survey > % Accuracy = 9.

Inplace extimate = 7.