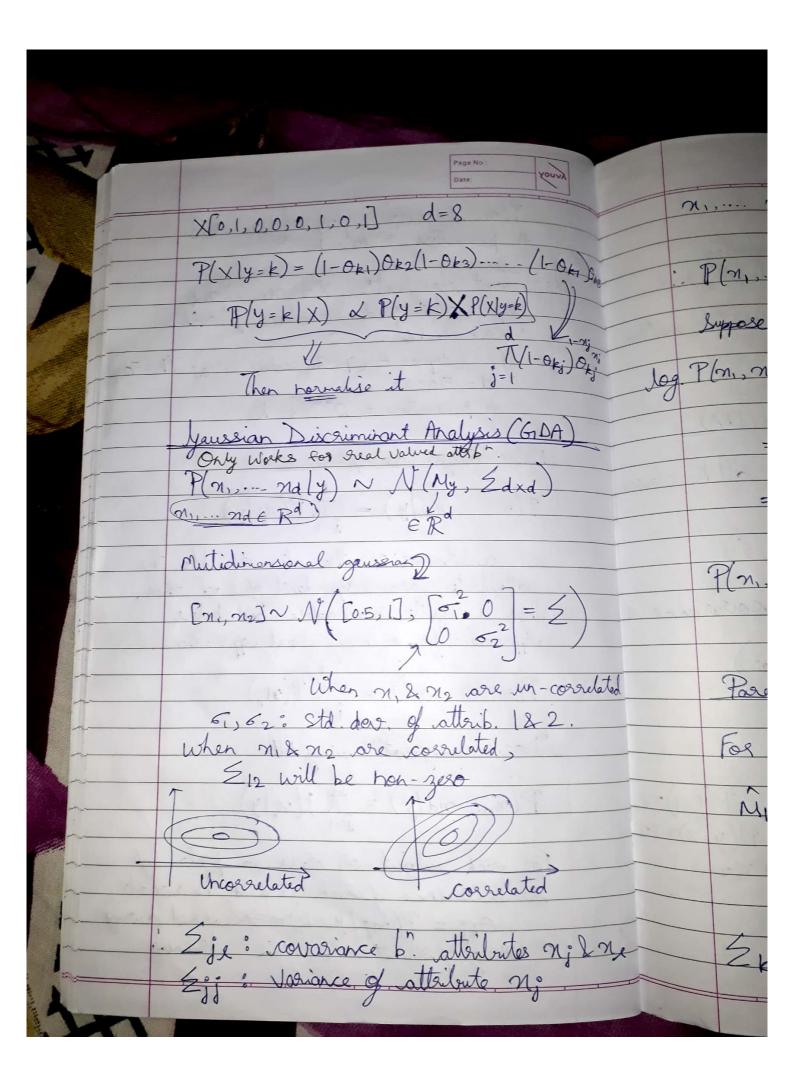
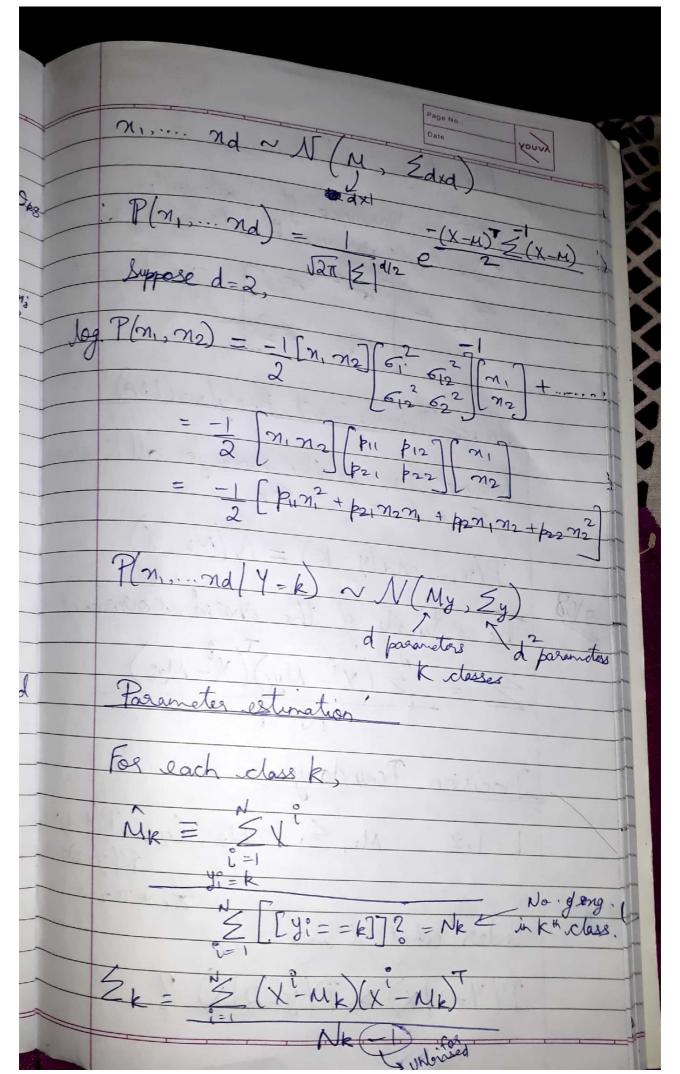
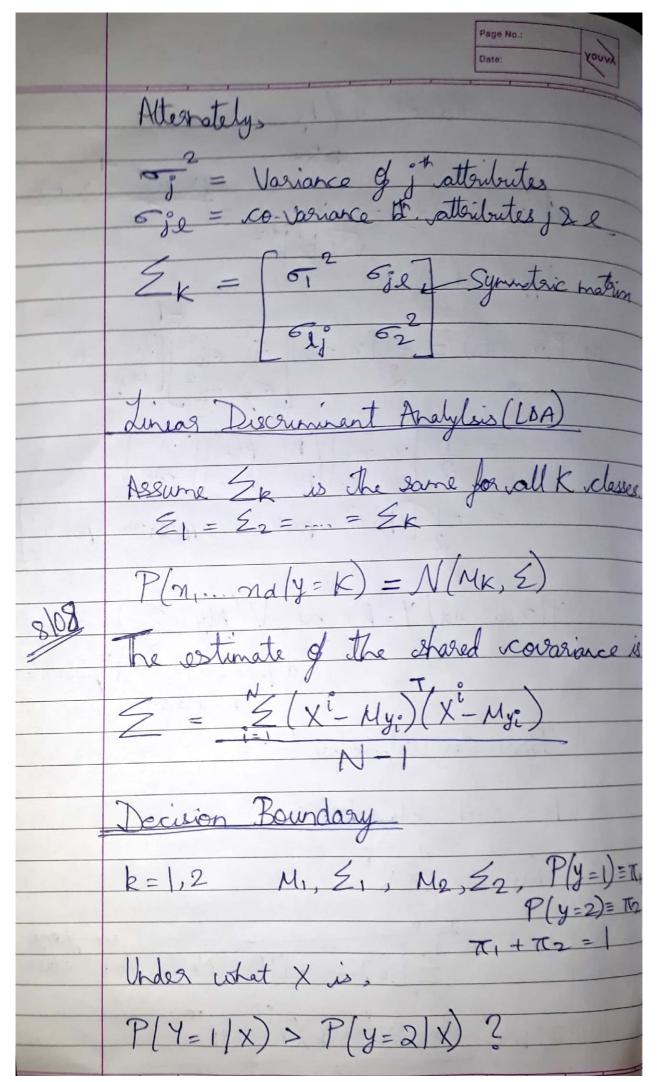
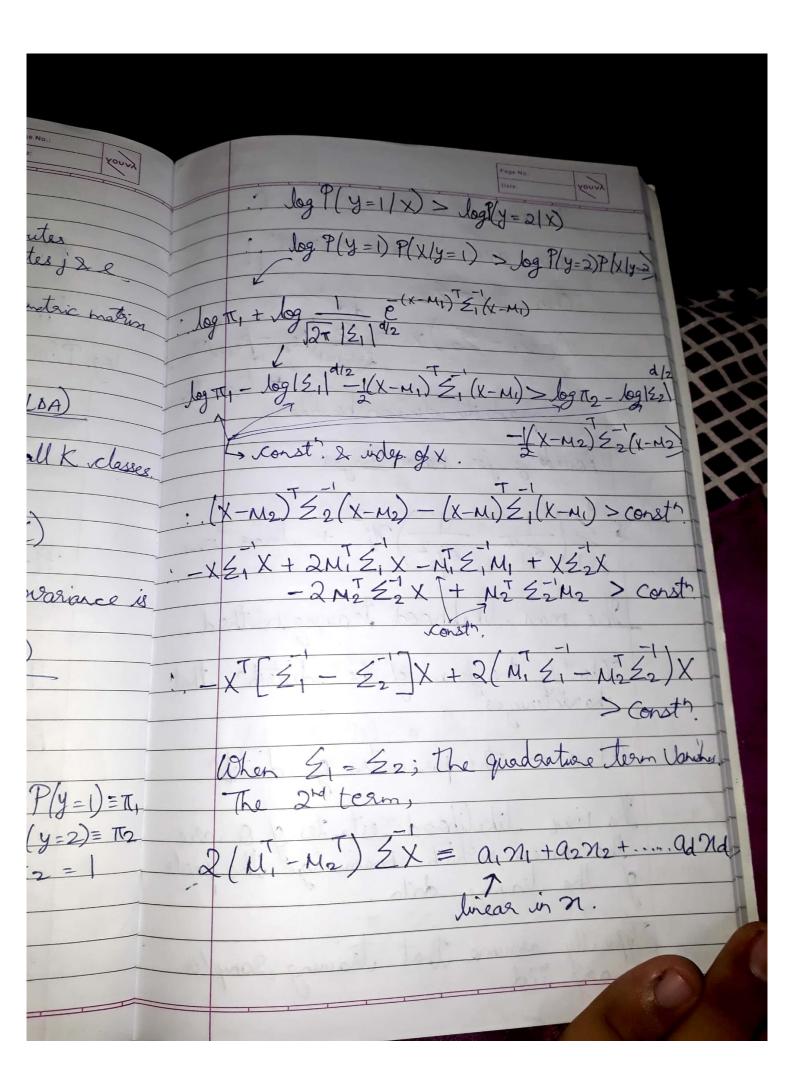
	X Y
Youva	Page No.: Date: YouvA
4=0.45) 2 student	P(n, naly), no el 1,2, m3 # parametere = md x k
e	x:- Tent classification X = n
P(y) 87)2 0.52, 0.2	y 6 { topics € { sports, science . 3/2 (k=500) d = 50,000 # parenters = 2 50,000 X K
42.007 -192	Naive Rayes assumption
-19)2	ie conditioned on the class variable, the
g y.	Attributes are independent of each other. This is quite reasonable and holds approximately in many real opplications.
2 45	P(n, nd) = T P(n;)
	Doc dassificat. using NB $P(m_1,, ndly) = \frac{d}{dt} P(n_1   y)$
	For each subject or class, a polo. of  as occurrence of each word in the vocals.  Oh; = P(n;   y = k) = Learned during  it of parameters = dxk training





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	Page No.:  Date:  Vouvi	
-	Decision bourdary	$D \equiv \{$
	0	P()
	When $5 = 2$	Jog. Ji
	$X(S_1 - S_2) X = S(Pe_i - Pe_{j2}) Men_i$ $L=1, j=1$	
	quadratic decision boundary	During
	Boundary for haire Bayes	Ô ML
	d 1 - 1 2 1 + lineas terms = 1 = 1 = 6 = 2   Nj + lineas terms	Apply Pl
4-07-00	The man likelihood training method	0 =
	Identify the form of the distrib that characterizes	101
	Let 0 = the parameters of distrib.	
mo	The more likelihood estantes of a sare the ones which training the peole.	
	Typically assume that training samples	

