(U1905012)	CS365 Machine Learning (UIACSO12)
(BHAGYA RANA)	
	DIACOUS LANA VINOD KANA)
	019 _1 5s= - 9 + \$5. pdf
1.)	minimizing the Rist ~ maximizing the postrier probability
	Classification problem
1.	moduled using gaussion]
	① An accepted low risk customer → increases profit
	A rejected high risk customer -> decreases loss
	2) Loss for high risk customer erroneously accepted
	is different from the gain for an erroneously rejected
	low risk customer.
	3) X1 → income & X2 → Saving
7	det decide Outrome
	c=1 high risk & c=0 low risk
	(a) For any new data X1=X1 and X2=X2 Knowing
*	PCC X, X,) we can choose
	(a) $c=1$, if $P(c=1 x_1,x_1) > 0.5$ and $c=0$ otherwise
	of the property of the propert
	b $c=1$, if $P(c=1 x_1,x_2)$ $P(c=0 x_1,x_2)$ and $c=0$
	ott a days
	6 Probability of error = $1 - \max \left(\frac{P(c=1 x_1,x_2)}{P(c=0 x_1,x_2)} \right)$
	P(C=0)
	Therefore, we
	by maximizing the risk maximizing the positiver
	by maxthizing the proposition probability
Vision	probabily.