19UCCO23 MOhit AKhouni

TDS-Assignment 3

Conforion matrix is:

		Pridicated class	
		Lezimitate	Fradulent
a C	Legili -male	900	80
Actual	Fraud-	.10	10

TP = 900

FN = 80

FP = 10

TN = 10

: n102

= TPR = TP/(TP+FN) = 900/(900+80) = 900/980 = 0.918

FPR = FP/ (TN+FP) = 10/(10+10) = 10/20 = 0.5

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$$TNR = |TN/(TN+FP)| + |0/(10+10)| = |10/20 = 0.5$$

 $FNR = |FN/(TP+FN)| = 80/(900+80) = 80/980 = 0.0816$

TPR	0.918	Ars. (1)
FPR	0.5	
TNR	0.5	Or Hun
FNR	0.0816	

Soin:

= (900+10)/(900+10+10+80)

$$Prccision = TP/(TP+FP) = 900/(900+10)$$

= 900/910 = 0.989

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$$= 2 \times 900$$

$$2 \times 900 + 10 + 80$$

$$= 1800 = 1800 = 0.952$$

$$1800 + 90 = 1890$$

		The state of the s	
	Accuracy	12.0	
	Precision	0.989	Ans.(2)
	Recall	0-918	4
The second	F1 measure	0.952	
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