Lab-8

Bafna Gold —

450000		
A	Implement Boosting ensemble method on a	given
	dataset	1. 111 .
	CGPA Actual Class Job profile Britial cost 7=9 Yes Yes You	Updated wit
		0.1249
	29 No Yes 16	0,2501
	7=9 Yes No 16	0.2501
	< 9 No No No	0,1249
	7=9 Yes Yes 1/6	0.1249
	7=9 Ws Yus 16	0.1249
	1078 0 3/34	
Step-1:	Assign initial weight = 46	
	(): *300/00/00 00 00 00 00 00 00 00 00 00 00 0	169 3-
5tp-2:	$a\gamma \cdot \mathcal{Z}_{i} = \mathcal{Z}_{i+1}(d_{i}) \text{ wh}(d_{i})$	1-1814
	TO THE PROPERTY OF THE PROPERT	Mal
	Wighted error Exepp Exepp = 2 x 1 = 0.333	
	(Ecapa = 2 x 1 = 0.333	
	Market Market (Market Market M	
	b'compute weight of each week classifier: $\alpha = \frac{1}{2} \ln \left(\frac{1-\epsilon}{\epsilon} \right)$	
	deepa = 1 ln (1-8:)	
	2 ()	
	$=\frac{1}{2} \ln \left(1-6.33\right)$.	
	LC4PA = 0,347	
	ZCUPA - 1 x 4 x e-0.347 +1 + 2 x e +0.34:	
	Z(4PA - 1 x 4 x e-0.34+ +1 + 2xe+0.34.	+
	ZapA = 6,9428	

Update the weight of all data instances

wer (ay); +1 = well (a)) capp of corruit instance & e-scape

Z capp

= 16 * e-0.347 = 0.1249 = 16 + 60.34+ = 6.2561 -> For "in come, CSV" dataset Best Accuracy score: 6.86 or 86%. Confusion matrix: TN FP [6873 U89 FN TP 845 [328] y F54 5G