Boosting Ensemble method

Consideri	ng the bo	os ingenin	n For the for	10
sample	of data	show me	decision show	
talcula	Hon step	for the	allibule CORA	
The same	THE RESERVE		Communica Alven	Job
EGAN	Interactiveness	Practical	Communication	Prof +
>=9	Yes	Good	Good	Ly
19	No	Esood	Moderate	Ker
>=9	No	Average	Moderake	No
<9	No	Average	Good	No
>=9	Yes	Good	Moderate	Kes
>=9	Yes	Good	nroderau	Key
	1 - 1 - 17		7517 - T	
Proteim	dimor los	CEPA	1 5 150 1 1 1	
TUL	surges for	our assigned	with 10	
anshu	weights	ar arrighed	with 1/6	
		perual		
CG PA	Preduced	Tid- will.		
	000 0%			
>=9	Ker	Yes	1/6	
<9	No	Yes	1/6	
>=9	Yes	No	1/6	100
< 9	No	No		
		W	Y6.	
>=9	Yes	ry	1/6	
>=9	Yer	Yes	1/6	

tempule the weighted error

Everph = no. of inconeur × weight of inconeur

= 2 × 1/6

= 0.333

compute weight of each (classifier deeps = 1 In (1-terms)

$$= \frac{1}{2} \ln \left(\frac{1 - 0.33}{0.33} \right)$$

Proje

Totalate the normalizing factor = dans +
7 = wtl (onect) x no. of coned x e - capt +
wf (wrong) x no. of wrong x excesses
$\frac{2 \operatorname{cesph} = \operatorname{wf}(\operatorname{tonor}) \times \operatorname{no.of} \operatorname{wrong} \times e^{\operatorname{desph}}}{\operatorname{wf}(\operatorname{wrony}) \times \operatorname{no.of} \operatorname{wrong} \times e^{\operatorname{desph}}}$ $2 \operatorname{cesph} = \frac{1}{6} \times 4 \times e^{-0.347} + \frac{1}{6} \times 2 \times e^{0.347}$ $= 0.9428$
Zayon = 0.9428

we (dy);+1 = wr (d) care of concert instance of e- curen

WH(di)1+1 = - × E 0,340 = 0.1249

W+(d:):11 = w+(d) even of incomet instance Xe repr

 $= \frac{1}{6} \times e^{0.243}$ = 0.9428

= 0.2501

GUPA	Predicted offer	Achal To offer	weight
>=9	Yes	Yes .	0.1249
<9	Mo	Yes	0.2501
>=9	Yer	No	0:2501
29	No	No	0,1249
>=9	Yes /	441	0,1249
>=1	Yes	Yer	0.1249