flasignment -2

Gimi Andonc:

CGIPA	Subsactive	Martical Worldge	comm ships.	782 of
>= q	Yes	v.gad	cond	tes
7=8	100	bas	mathiete	XX
7=9	No	Average	ROOM	100
282	NO	Average	oad	200
8=<	tes	Grand	madorate	tes
>=9	Yes	cood	moduate	Yes
48	Yes	مصط	Roon	100
>=9	120	G. Start	acced	Yes
7=8	Yes	Doerode	Cross	Yes
4 8	Yes	Good	Paci	120

impurity a diversion decision troes:

laver gini indea value gives to

Pure docknest subset (a) charsing the best split.

Ginis(B) = 1 - & Pie

producte ((Capa)

pmb Pavarrates	705	NO	TOTO
	3	1	4
7=9 >= 8	3	0	13
CAPA < 8	0	3	3

* calculating to each givi be each Rawander

* sum all the Ravamater for each Attribute

= 0 * weighted sum of gini snobox la capa fa the four

(Sutraisme) c studium

Attibute	Assamates	Yes	100	ages of
	705	4/6	2/6	6
Ameractive	NO	2/4	2/4	4

Ginit (snowative =
$$70.5$$
) = $1 - (4/6)^2 - (2/6)^2$
= $1 - (6/96 - 4/36)$
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$$ainite(4nteractive = 100) = 1 - (2/4)^2 - (2/4)^2$$

$$= 1 - 4/16 - 4/16$$

$$= 1 - 0.25 - 0.25$$

$$= 1 - 0.5$$

* weighted scand somewhite

= 0.5

philade	Powermater	Yes	NO	उस्त सह
	annican	2	0	2
practical	3xxx	3	2	5
Knarboge	asing	١	2	3

-0.48

kneighted sum of Practical knowledge

The second secon			
and	3/4	1/4	4
mobilitie	3/3	8	3
Roos	0	3/3	3
	maduate	modulate 3/2	moderate 3/2 B

Ginif (CS = Good) =
$$1 - (3/4)^2 - (1/4)^2$$

= $1 - 0.5625 - 0.0625$
= $1 - 0.625$
= 0.375
Ginif (CS = modulate) = $1 - (3/3)^2 - 0$
= 0
Ginif (CS = Pool) = $1 - (3/3)^2$

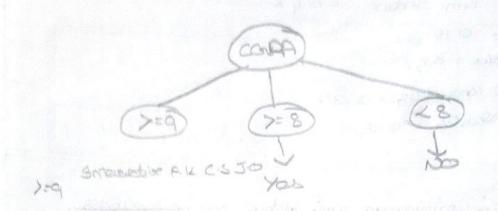
* weighted sum of comm spices
= 4/0 x 0.375 + 0+0

= 0.15

step 5: aserell aini 3ndoa ainit(0) = 1- (4/0)2 + (6/10)2 = 1- (0.16+036)

= 1-6-52

Stato 6:besternegise Javeraca cini Andera = 0.48 CFRT DEAPR - COILS beginsolitical. -) Antercactive = 057 K recond practical knowledge = 0.37 > comm spills = 0.15 by sabiling minimum gini indus to alcolodes and ourse the Roganisters of attributes Man Joseph Cours Course coloulate viais amix(aRA) = gint() Gint (+, caRA) 25.4820 2.0 Cha- subsastine - outs ors knows showing Edward Strates withauth to somether To E (actions tale) this 248-848 200 FPI 0,048,0:545 , (doe) train 0 = 27.0 : (2145 jain = 10.78 plakes Costain



CGPA	Intractive	(Practical 11	2) Column	(J.0)
>=9	102	o.god	good	yes
>=9	100	AUG	POEL	200
	Yes	cood	mod	Yes
>=9	100	७ · good	good	Yes
>=9	1	1	and the second s	

	4	The second secon	The second secon	
: steelings	Rawmoter	705	200	T
eriteasine	tes	010 2	0	2
22-0	100	A PART TO A	1	2

= 0 $4ini I(100) - 1 - (1/2)^{2} - (1/2)^{2}$ = 1 - 1/4 - 1/4 = 1 - 0.25 - 0.25

origidad sum of interactive

2/4 * 0 + 2/4 * 0.5

ATCANOMIN 0.25

PHILLED 2

philiete	Recorrected	705	100	4
P.IL	v. good	2	0	2
15.12	Pog.	. 9.	7 1	1224
	9	,	0	1

= 0 + 1/ + 0 + 1/2 = (60) =

7 0

weighod som:

aT CP.14) = 2/4 0 + 1/4 + 0 + 1/2

= 01

PHilato 8:

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De alesta	Rusmans	Tes	100	স
camman	cross	2	0	2
Deids	mad	1	0	1
	Poor	0	, 1	1

a warmen to the read though

s := 0 bors 0

- 0

20

a.I(cs) = 2/4 * 0 + 1/4 * 0 + 1/4 *0

= 0 (11) -1 = (broug) IN

aini Sidoce

1) Arrienactive - 0.25 . more bottless

(12) PIK 1 = 0 1 = (49) 10

3) C.S =0

