Date:		1346		19K41A051
				Page No.:
At	ficial Inte	llègence (-	AI)-Q	lingment-40=
Outlook	Temperature	Humidety	- Windy	hour to flay
Rainy	Tlot	high	False	25
Rainy	Hot	high	leine	30
Overcant	Hot	high	False	46
Sunny	mild	high	Falre	45
Sunny	cool	normal	Jalse	52
Junny	cool	mormal	Three	23
Quart	cool	mosmal	Ince	43
Rainy	mild	high	False	35
Rainy	Cool	morral	Jalse	38
Burny	mild	inormal	Jalu	46
Rainy	mild	nom	Ince	48
Overant	meld	high	True	52
Quart	hot	normal	Jalx	49
Sunny	mild	high	Inie	3D

Date: Page No.: (2) Step 2: calculate, SD, CN, mean meom = 2x/0 = 25+80+46+45+52+23+43+35+38+46+48+52+44+30 = 557 = 39.78. SD = \ \ \(\(\(\(\array \) \) S.D = 967 CN = SD ×100 = 9.67 ×100 = 24.30 Stop3: datent is split on different attributes the 8D of each branch is calculated. SP (atr) = Ew (branch) 30 (branch) cand result us externdard identition reduction SDR = SD-SD (attr) o", SD (Jorget)=9.67 Quitok? SD (V n w(V) meom 35.2 8.7 24.7 5 5/14 46.25 4.03 8.42 4 4/14 Queart 39.2 122 310 5 5/14 Sunny

Date:	Page No.: 3
S.D(Outlook) = 5.(8.7)+4 (4.03)+5	(12.2)
- 8.59	9433
SD. R (Outlook) = 5D (Torget) - (outlook) SI) = 9.67-8.59
	= 1.08
Jenp:	
Sp CV n	ω(v)
Just 36.25 10.34 30.6 4	4)14
God 39 12.14 31.1 4	4/14
mild 42.6 3.38 19.65 6	6/14
SD (Jenp) = 4 (10.34) + 4 (12.14) + 4	(3.28) =10.01
SDR (Jump)= 9.67-10.01 = -0.34	
Humidity:	
(D CV n	w(v)
1. 31.51 10.11 26.92 7	7/4
high 37.5) 10.11 26.72 + normal 42 9.4 27.4 7	7/14
SD (humidity) = 7 × 10.11 + 7 ×	9.14 = 9.77
SDR (humidity) = 9.67-9.77	
=-0.1	

Date:	19 KUI AOSE
weindy:	Page No.: (9)
mean SD (V n	(2(v)
Ince 37-6 11.6 308 6	61
False 41.3 8.41 30.3 8	8/14
SD (woundy) = 6 × 11.6+ 7 × 8.41 =	9.71
SDR (windy) = 9.67 - 9.77 = -0.1	
The value that has highest SDR	& considued as
choil value mode (le decision mode)	
Consedering dirmination (viteria.	
(Outlook)	Λ
Quant has CV of 80% which is	less Thom thrushold
value ithusfore use need and its fur	they split
Outlook	
Ovucant)	
Twis	
played 46-25	
46-25	

Date				(9K41AC
				Page No.: (5)
alue n	red to	split mode	elunny corr	nd Runny
Oullook	Temp	humdity	windy	hours played
Lunny	mild	shigh	Jalve	45
Lunny	Cool	normal	Jalse	52
Quenny	Cord	mosma	True	23
Sunny	mild	noomal	False	46
Hunny	mild	chigh	True	30
	meo	m = 39.2		
)= 12.2		
		V= 31.0		
Temp:	ymcam		η	ω(v)
		8.76 22.	23 3	3/5
Col		20.50 54		
SD (Jen	p): 3	(8.76)+ 2 (20.50)=	13.576
	c	12.2-13	576 = -1.	37
Humel:		SD CV		
high	3+5	10.6 28.2	6 2	2/5
Normal	40.3	15.30 375	16 3	3/5

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SD (humid) = 2 (10.6) + 3 (15.30) + 64 (10.6) +0.6 (15.30)

= 13.42

SD(humid) = 122-13-42 = -122

Windy :-

SD mean

-False 774 3 3/5 4766 3.78 True 2/5 4.74 1865 2 26.5

SD (windy) = 3 (3.78) + 2 (4.94)

SD (windy) = 12.2 - 4.23 = 7.97

then check for highest SDR

En weithook, among Temp, humidety & windy SPR value & high for windy. SDR= 7.97

Then, check for (V value light the and false satisfy CV value

19 Ky 1 A05 BO Date: Page No.: (7) Outlook hours played 46.25 (hours played) 26.5 Rainy & humidity Othok Alma to Play 25 Tempuature Windy high Rainy hot high Rainy hut high Rainy mild Raining Cool 48 Karry mem=35,2 SD-8-7 CV- 24.4

Date:

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Date:				Pa	ge No.:	(8)
Temperature :	0					
Temperative		SD	W	\sim	w(v)	
hol		353	12.13			
mild					2/5	
(50)	38	0	0	1	1/5	
SD (Jump) =	2 (3.53)	+ 2 (9.19) + -	1 X0	= 5.08	8
SDR (Jen	m)=5D	- SD()	emp)			
	· 8.7	-5.08	8			
40 A	2 3					
Thurndaly:						
Humidily	meom	SD	CV	n	W(v)	
high	6	5	16-66	3	3/5	
momal	43	707	16.44	2	2/5	
SD (chur	midity) =	3(5)-	7= (7	07)	/3	
8 DR (-hin	= 5 midlily) =	.828. SD · SB	(huma	dily)		
		87-5.				
Ta-Line	2	2.672				
17 900 200						

Date :

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Date:				Pa	ige No.:
windy ?	0			,	
windy		SD	CV	7)	w(v)
Talse	32.66	6.80	2085	3	3/5
True	39	12-72	32.5	2	2/5
SD(was	indy)= 3	(6.80) + 3	2 (12-7	2)	
	= 9				
SDR(a	windy) = S				
	= 8	.7 -9.16	8		
Amon -	- 1	-0.46	8		
is high	emp, chur	midaly in	nd wein	dy i	he SDR vale
Then the	t I com	Nature	(1e 3.6)	2)	,
satify	CV Value.	Value 4	for chol	, imile	d and and
00					
The					
The same of					