pruning Enthopy (0-1)

Leaf Gini Inden (0. -0.5)

I wide
TOPY. HIM - -100% H(S) = -P+ log2 (P+) - P- log2 (P-) pure G. [= . [- . [P)] Jupure 75/20

2 0.83

H (Ram) - 0.83

H (Outhorh) = 0.77

-9/2/91-5/69/14 e (sm)

g. 24/3N

Sunny 083

Outlook	Temp	Humidity	Wind	Play
Sunny	Hot	High	False	-No
Sunny	Hot	High	True	-No
Overcast	Hot	High	Weak	Yes
Rain	Mild	High	Weak	Yes
Rain	Cool	Normal	False	Yes
Rain	Cool	Normal	True	No
Overcast	Cool	Normal	True	Yes
Sunny	Mild	High	False	No
Sunny	Cool	Normal	False	Yes
Rain	Mild	Normal	False	Yes
Sunny	Mild	Normal	True	-Yes
Overcast	Mild	High	True	Yes
Overcast	Hot	Normal	False	Yes
Rain	Mild	High	True	No

Outlook 9.9/5.N=14

overcest Rain

0.8

E (Outlook: suny): 0.83 E (Outlook: suny): 0.83 E (Outlook: suny): 0.83 E (Outlook: suny) = 0.80

$$E(NMP) := \frac{9 \log_2 (9)}{14} - \frac{1}{14} \log_3 (\frac{1}{14})$$

$$= 0.94$$

$$E(NMId) := \frac{9 \log_2 (9)}{6} - \frac{2}{6} \log_2 (\frac{2}{6})$$

$$= 0.91$$

$$E(COM) := \frac{3}{4} \log_3 (\frac{3}{4}) - \frac{1}{4} \log_2 (\frac{1}{4})$$

$$= 0.81$$

$$0.029$$

$$0.77 - \frac{1}{4}$$

Outlook	Temp	Humidity	Wind	Play	
Sunny	Hot	High	False	No	
Sunny	Hot	High	True	No	
Overcast	Hot	High	Weak	Yes	
Rain	Mild	High	Weak	Yes	
Rain	Cool+	Normal	False	Yes	
Rain	Cool-	Normal	True	No	
Overcast	Cool+	Normal	True	Yes	
Sunny	Mild	High -	False	No	
Sunny	Cool+	Normal N	False	₩ S	
Rain	Mild	Normal	False	Yes	
Sunny	Mild	Normal	True	Yes	
Overcast	Mild	High	True	Yes	
Overcast	Hot	Normal	False	Yes	
Rain	Mild	High	True	No	
2111-1					

thup 47/24 nulg ×1+6000.91

24/2N