Rica Mae Jin C. Calugtong BSIT 3-5

Elective 2

ficanacy -

## DATASET:

SNo.	Weather	Road condition	Traffic condition	Engine problem	Accident
1	Rain	Bad	High	No No	Yes
2	Snow	Average	Normal	Yes	Yes
3	Clear	Bad	Light	No	No
4	Clear	Good	Light	YES	Yes
5	Snow	Good	Normal	No	No
6	Rain	Average	Light	No	No
7	Rain	Good	Normal	No	No
8	Show	Bad	High	No.	Yes
9	Clear	Good	High	Yes	No
10	Clear	Bad	High	Yes	Yes

Predict the ff. data if accident (yes/no):

Weather	Road condition	Traffic condition	Engine	Accident
Clear	Average	High	No	Yes
Rain	Average	Normal	Yes	No
Snow	Bad	Light	Yes	Yes
Clear	Good	High	No	No
Snow	Average	High	No	Yes

Weather         Accident           Rain         Yes           Snow         Yes           Clear         No           Clear         Yes           Rain         1           0.2         2           0.4         3           Snow         No           Rain         No           Clear         2           0.4         1           0.2         3           0         Clear           2         0.4           2         0.4           2         0.4           2         0.4           3         0           Clear         2           0.4         2           0.4         4           0         0
Snow         Yes         P(Weather = 0   Accident = b)           Clear         No         All           Clear         Yes         No         All           Snow         No         Snow         2         0.4         1         0.2         3         0           Rain         No         Snow         2         0.4         1         0.2         3         0           Rain         No         Clear         2         0.4         2         0.4         4         0
Clear         No         Weather         Yes         No         All           Clear         Yes         Rain         1         0.2         2         0.4         3         0           Snow         No         Snow         2         0.4         1         0.2         3         0           Rain         No         Clear         2         0.4         2         0.4         4         0
Clear         Yes         Rain         1         0.2         2         0.4         3         0           Snow         No         Snow         2         0.4         1         0.2         3         0           Rain         No         Clear         2         0.4         2         0.4         4         0
Clear         Yes         Rain         1         0.2         2         0.4         3         0           Snow         No         Snow         2         0.4         1         0.2         3         0           Rain         No         Clear         2         0.4         2         0.4         4         0
Snow         No         Snow         2         0.4         1         0.2         3         - 0           Rain         No         Clear         2         0.4         2         0.4         4         0
Rain No Clear 2 0.4 2 0.4 4 (
Rain No
Snow Yes
Clear No
Clear Yes
Rain I Yes Rain I No
P (Rain   Yes) 1/5 0.2 P (Rain   No) 2/5 0.4
P (Yes) 5/10 0.5 P(No) 5/10 0.5
P (Rain) 3/10 0.3 P(Rain) 3/10 0.3
P (Yes   Rain)   (0.2 × 0.5) / 0.3   0.33   P (No   Rain)   (0.2) × 0.3/0.3   0.67
Snow I Yes Snow I No
The last state of the state of
P (Snow   Yes) 2/5 0.4 P (Snow   No) 1/5 0.2 P (Yes) 5/10 0.5 P (No) 5/10 0.5
D(Co.) 3/10 A2
D ( N 1 C ) ( C ) ( C )
P (Yes   Snow)   (0.4 × 0.5) 6.3   0.67   P (No   Snow)   (0.2 × 0.5)/0.3   0.33
Clear 1 Yes Clear INO
D/G 14) 26 24
D(V)
2/4
P(Yes   Clear) (0.4 × 0.5) (0.3   0.5   P(No   Clear) (0.2 × 0.5)/04   0.5

ficamoj

Road Condition	Accident									
bad	yes		,,			191				
average	162	(Road	-0	Acci	ident = b'	)	16			
bad	no	Road				No A		A	1	
good	yes	Bad		3	0.2	1	, - 0	0.4	4	0.4
good	no f	Average		1	0.4			0.2	2	0.4
average		Good		1	0.4	3		6.4	4	0.4
good	no									10.1
bad	yes							S. W.		
good	no									
bad	Yes									
							1			
Bad I Yes				Roy	dlNo					
P (Bad   Yes)	3/5	0.6	1		3 ad (No)	T	1/9			0.0
P (Yes)	5/10	0.5	1		vo)		51			0.2
P (Bad)	4110	0.4		-	Bad)		41			0.5
P (Yes   Bad)	(0.6x0.5)/0.4	0.7	5		Nol Bad)	_	-	2x0.5)	10.4	0.25
		Salet in					,,,		, , , ,	0-25
Average 1 Yes				Ave	erage /No		-			
P (Average 1 Yes)	115	0.2	1	1000	Average / No	2)	1/0	-		0.2
P (Yes)	5/10	0.5		San San Land	No)	,	51			0.5
P (Average)	2/10	0.2		-	Average)		21			0.2
P (Yes   Average)	(0.2×0.5)10.		-	1 TO 1 TO 1 TO 1	No / Avera		-	2x0.5)	10.2	0.5
				1		30)	(0	- 10-37	7	0.5
Good / Yes				Go	od INO					
P (Good 1 Yes)	1/5	0.2	1	-	Good (No)		31	5		0.6
P (Yes)	5110	0.5		-	No)		51			0.5
P (Good)	4110	0.4	-	-	Good)		-	110		0.4
P (Yes/Good)	(0.2×0.5)10.4	1 0.29	5	-	No I Good	0	-	.6×0.6	10.4	0.45
				,		/	10		, , ,	
									1.	

ficamej

Tamia Naudilia	Assistant								
11	Accident yes								
high normal		(Trans	1 Ac	ciolont - L	1				
light			c = 0   Accident = b   Yes			No A			
light	yes	Traffic High	THE RESIDENCE MANAGEMENT OF THE PERSON NAMED IN		1	1 0.4		4	10.4
normal		Normal	1	0.4	2		0.4	3	0.2
light	no	Light	1	0.4	2	-	0.4	3	0.4
normal	no								
high	Yes								
high	no							184	1
high	Yes								
							No.		
Aigh I Yes			Hig	h INO					
P (high lyes)	3/5	0.6		High (No)		-43	115		0.2
P (Yes)	5/10	0.6	THE RESERVE	NO)			5/10		0.5
P (high)	4110	0.4	P(	High)			4110		0.4
P (Yes I high)	(0.6×0.5)/0.4	0.75	P (	No I high)		(0.	2×0.5	10-4	0.25
Normal / Yes			Nor	mal INo		-			
P (Normal / Yes)	115	0.2	P(N	ormal/No	)		215		0.4
P (Yes)	5110	0.5		No)			5/10		0.5
P (Normal)	3/10	0.3	P (1	P (Normal)		3/10		0.3	
P (Yes/Normal)	(0.2×0.5)10.	3 0.333333	P (1	P (No I Normal)		(0.4×0.5)/0.3		0.666667	
Light I Yes			Ligi	nt /No					
P (Light 1Yes)	115	0.2	P(L	ight (No)			215		0-4
P (Yes)	5/10	0.9	P (	No)			5110		0.5
P (Light)	3/10	0.3	P (	Light)			3110		0.3
P (res / Light)	(0.2 x 0.5)/0.	3 0.33333	P (	No/Light	)	10.	4×0.5	10.3	0.66666

Engine problem no yes	Accident							
	VAC							
107	yes	-						
no	no							
yes		Engine	Vo					
no	no	No	2	Yes No.2 4		_	All	
no	no	Yes	3	0.4	4	0.4		0.6
no	ho	10)	)	0.4		0.7	4	6.4
no	yes						1	-
yes	no							
yes	yes							
No /Yes			No	1100				
P (NolYes)	219	0.4	+ 1	P (NolNo)		4/5		0.8
P (yes)	5110	6.5		No)	100	5110		0.5
P (NO)	6110	0.6		(NO)		611		6.6
P (Yes /No)	(0.4x0.5)10.6	0.333333	_	No1No)		(0.8x0		
Yes I Yes			Yes	:100				
p (Yes 1Yes)	319	0.6	P (	(oulser	Service .	115		0.2
P (yes)	5116	6.5	P (	No)		5 116		0.5
P (yes)	4110	0.4		(Yes)		4111	4110	
P (Yes 1 Yes)	(0.6x0.5)10.	4 0.75	P	(No /Yes	)	(0.2×0	.5)10.4	0.25
		AND ASSO		1000				
	No. of the last of							
	The state of the							
				-			ficon	

	Weather	Road	Traffic	Engine	Accident	
	Clear	Average	High	No		
P (Yes)	0.5	0.5	0.75	0.33	Yes 0.12	
P(No)	0.5	0.5	0.25	79.6	0.08	
		1				
	Weather	Road	Traffic	Engine	Accident	
	Rain	Average	Normal	Yes	No	
P (Yes)	0.33	0.5	0.33	0.75	0.08	
P(No)	79.0	0.5	79.6	0.25	0.08	
	Weather	Road	Traffic	Engine	Accident	
	Snow	Bad	Light	Yes	Yes	
P(Yes)	0.67	0.75	0.33	0.75	0.25	
P(No)	0.33	0.25	0.67	0.25	0.03	
				Philipping .		
	Weather	Road	Traffic	Engine	Accident	
	Clear	Good	High	No	No	
P(Yes)	0.50	0.25	0.75	0.33	0.06	
P(N6)	0.50	0.75	0.25	0.67	0.13	
	Weather	Road	Traffic	Engine	Accident	
	Snow	Average	High	No	Yes	
P(Yes)	7-67	0.50	0.75	0.33	0.17	
P(No)	0.33	0.50	0.25	0.67	0.06	