i	Page No.	
	DA Assignment (Rushil Palel) (201914-0047)	
	16.) Make resumé	_
QI	Calculating all prior and posterior probabilities	
	PER PROBERY (E	
	(MYPOIL) CHEET TROKE (TO GAM)	_
	Attribute Ontime Late no New later Concelled	_
Day:	Weekday 9/14 = 0.64 1/2=0.50 1513/3=102 0/1=0	
J	Saturday = 2/14= 0.14 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	_
	Sunday 14 = 0.07 0/2=0 0/3=0 0/1=0	
	Moliday 2/14=0.14 0/2=00,-0/3=0,000 10/1=0	
		-
Season:	Spring - 1/19 = 0.29 do /26= 020/3 = 0 0/1=0	
	Summer 0176/14=10:4302 9/2/20 -0/3=010/1=0	
ologu.	Autumn 6 2/14=0.14 10/2=0 -1/3=0.33 9/1=0	
	winter 2/14 = 0.14 7/2=1 2/3 = 0.68 0/1=0	
	0 2 3 & 5	
Fog.	None? 5/4/=0:36-10/2=0 0/3=0 0/1/=0	
	High: 4/14 = 0.29 1/2 = 05 1/3 = 0.33 5 1/1=1	
	Normal 15/19=0.36= 1/2=0.5 2/3=0.67 0/1=0	
	0/1-2	1
Rain:	None 3 15/4= 0.30 3) 1/2 = 0.33 9/1=0	
	Slight 01 8/19= 0(07+3) 0/2/=0/(51-19/3=70 0/1=0	
	Heavy 1/14=0.67 51/2=0.5 2/3=0.67 1/1=1	
		_
Prion		1
probability		_
	+ 3 /3 3 0 / D	_
_	s = sl dp + 9 b	9
		_
	10 d 10 b 9 t	-
1	The second secon	_
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	Page No. Date
1	The obounce and allowed the site of the si
	Instance who Weckday Willinter, High! None 122
_	(ace 1 (lascio) + con time to dissi : it
	1100 1100 1100
	= (0.7) (0.64) (0.14) (0.29) (0.36)
_	346-54× × 110 tu3/110)
	(tase 25) truoclass = (intate) truo) = x
	$\frac{2}{(0.5-0.5)} = + \frac{20.00 + 20.50}{(0.00 + 20.5)} = \times$
	012
((case(300)) Class = (Very late) +
	= (675)(1.0)(0.67)(6.33)(0.33)
	0.0109
3.5	= 284.44 + 121.9 + 71.11 + 30.
	Case 4 Clas = Canelled ==================================
	= (0.05)(0.0)(0.0)(1.0)(0)
ز	(ase 2 is strongest = ainds) (Hence
	(ase 2 is strongest = and Hence
200	instance will be catego vised under
UN'	"Morclass (100" Lates" newland and town of
[113	Lond is 10.828 (trok from x" distribud
Utu	Since the computed value is above this i
F-3 / 1	Sto bout strongathry man out postor tras
-	and preferred reading are independent
1	
4,10	in you conclude that a attached one can
	L COUNTRY TO THE COUN

150	
Q'S,	no ruffered reading and gender are not
1 -	correlated in the grp.
-	How Prefered reading and gender and not corrected correlated in the grp.
1 100	$\frac{1}{2} \frac{1}{2} \frac{1}$
	Computing X2 value,
-	
	X = count (A=ai)= xo (count (B=bj)
(3)	2)(5,0)(0.1)(05.0)(1.0) -U
	$\times = (25.0 - 1.0)^2 + (50 - 210)^2$
	90 210
	+ (2001-1360)= 12+1 (1000-2840)2
10.55	(58.0) (50.0) (0.1(360)) = 840
	P_510 · 0
	= 284·44 + 121·9 + 71·11 + 30·48
-	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	For (2×2) table degue of freedom are
	(25+1)(2:-1) = 1000012 21 5 920)
	For so degue of freedom X what reeded to reject the hypothesis "at a "optensignificance level is 10.828 (took from x distribution)
	lastice the hypothesis at o copersignificance
	1600 16 10.828 (took from X distribution)
	Since the corn, ted value is at
	can reject the null brooking that
	Since, the computed value is above this wer can reject the null hypothesis that gender and preferred reading are independent.
- 11	
	We conclude that 2 attributes are correlated
	for given group
	for given group Pormula: $\chi^2 = \frac{m}{2} \left(0ij - eij\right)^2$
	$ \begin{array}{c c} \hline & \underline{1} & \underline{1} & \underline{1} \\ \hline & \underline{1} & \underline{1} & \underline{1} \\ \hline \end{array} $
	eh eh