М	T	W	T	F	S	S
Page No.:					YOU	
Date:					10	011

1					5415.]
	DA Suig	proment 1.			i esti	
	0			1 L	s * a	
	Hitens B	Ragna	5 c 2	*		
	201912000					
01					1	
	Apribable	Outine	late	very late	Cancelled	
				Vog V	ancores	
	pay:-		v v			
	weekday	0.64	0.5		0	
	Salurday	0.14	0.5	Ò	1	
	Sunday		0	0	0	
	Holiday	0.14	D	0	0	
			17 2 4	, i		
	Season:-		4	1		
	Winter	0.14	1	0.67	<i>D</i>	
	Autumn	0.14	0	0.33	0	
	Summer	0.43	0		0	
	Spring	0.29	0	0	0	
	/ //					
	Fog:					
1	Mormal	0.36	05	0.67	O 1	
10	High	0.29	ə·5	0.33	1	76
	Vone	0.36	0	O	O	
	Rain:				3 95	
	sone	0.34	0.5	0.33	0	
	Slight	0.07	0	0	0	
	Nearry	0.07	0.5	0.67		
-	Prior	0.70	0'1	0.15	0.05	

Probability

		M T W T F	
		Date:	1
			YOUN
	Case 1		
	class: Late		
	= 0.1 × 0.5 × 1 × 0.5 × 0.5	A Paris	
	= 0.0125	· in the	
	Case 2 ··	3 à - an	
	class: on time		
	= 0.7 x 0.64 x 0.14 x 0.29 x 0.31		
	$= 6.347 \times 10^{-3}$	e abdees	
		3.000	
	Case 3	(8)	
	class: very late		
	= 0.15 x 1 x 0.67 x 0.33 x 0.	22	
	= 0-0109	33	
			X 1
	Case y	to be in	
		h marks his	
	= 0.05 × 0.0 × 0.0 × 1×0		
	50		
	ds 1210 1: 1		1.0
	under class Late. Instance will	be a be	aride
	under class Late.	The Charge	000
1			
		*	

Q2. X2 Heet Deyrle of breedom: - (2-1)(2-1) Now, $X^2 = \underbrace{\sum_{i=1}^{m} \sum_{j=1}^{n} \left(\underbrace{q_{ij} - e_{ij}}_{e_{i,j}} \right)^2}_{e_{i,j}}$ $\chi^{2} = \left(250 - 90\right)^{2} + \left(50 - 210\right)^{2} + \left(200 - 360\right)^{2}$ + (1000 - 840)2 × 2 = 507.93 Degree of freedom = 1 : x2 value reeded = 2.706 but 50 507.93 >7 2.706 - Null hypothesis of independence is rejected with a confidence level ob o.1