

dimilarly after calculating and tubulating the posterior probabilities of all allributes attribute 'Ray! from the Rolaset. (anded Very Late Ray Wiekday On Time 9/14 0 3 0/2 daturday 2/14 0/3 dunday 1/14 Holiday 2/14 Ratacet rom the ' de ason Foy the attribute Leason Canelled Very late OnTime during 4/14 Summer 6/14 0/3 Autunn 2/14 0/2 Winter 2/14 2/3

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1

Foy attribute 'Fog'-					
(lass					
Fog	onTim		te	Very Lat	e ancelled
None	5/14	0)	2	0/3	0/1
High					
Iliala	117	1		1 (364) 401	The state of the s
High	414	1/2		113	11/1
Normal	5/14	1/2		2/2	
1.otma	1 2/14	11/2		8/3	1011
Four the attribute 'Rain' from the datased -					
Clark Jan 2					
Rain	ontine	Late	11	cry late	Canalled
None	6/14	1/2	1	1/3	0 I
01-1-	202	The factor	i	= 26126	Andrew
dlight	6/14	1/2	-	0/3	0/1
11.00	2/1/	. 1			
Heavy	a 14	0/2	0	2/3	111

youv,

Foy the inchure in the question (weekday, winter, High, None)

PNB (on Time) = P(On Time) × P[Weekday on Time] × P[Winter | on Time] × P[High|on Time] × P[None | on Time]

 $= \frac{14 \times 9 \times 2 \times 4 \times 6}{20 \times 14} \times \frac{9}{14} \times \frac{14}{14} \times \frac{14}{14} = 0.0049$

dimilarly

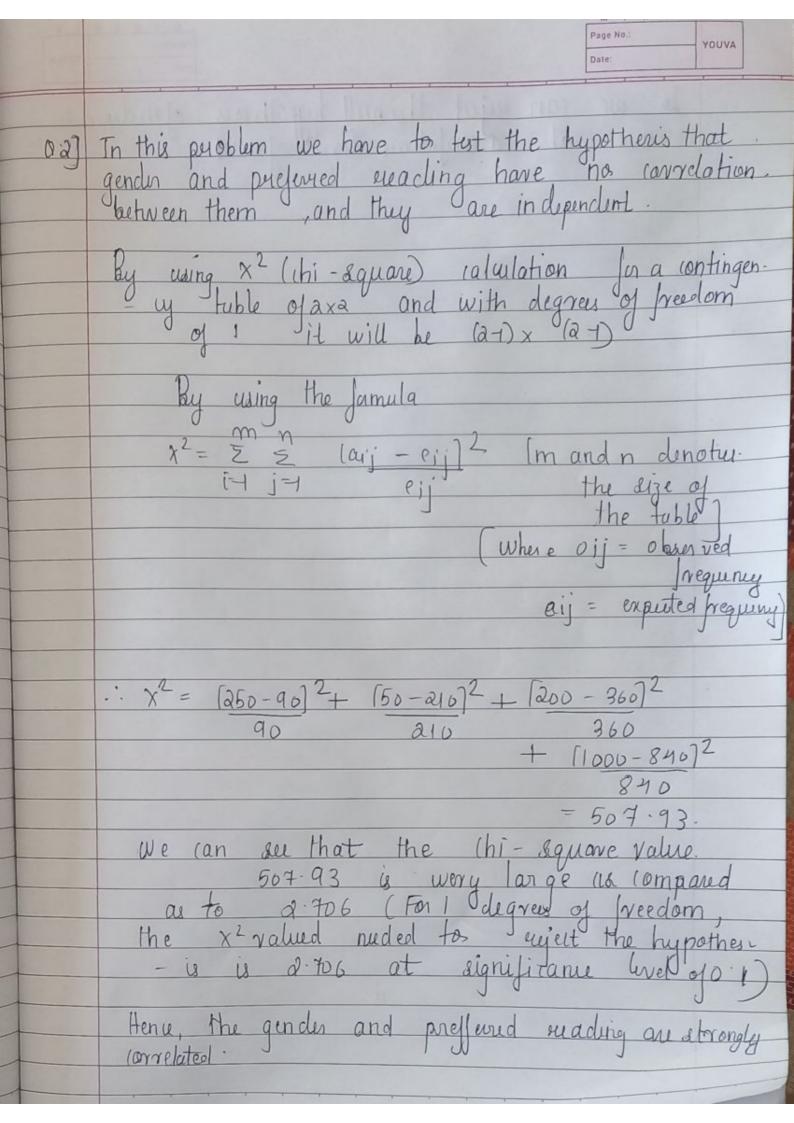
PNB(lote) = 2 1 2 x 1 = 0.0125

PNB [Very late] = 3 x 3 x dx 1 x 1 = 0.0111

PNB [(analled) = 1 x 0 x 0x 44 x 0 = 0

PNB [late] is highest hence convert

into accurate das any input tuple



de we can rigert the null hypothesis of independent ence at a confidence livel of o 1.