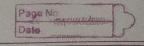
Sneha Ghuge 2019110015

DA Assignment 12/11/22



1 Air traffic Problem

	Days	Season	Fog	Rain	C (925
	Weekdow	spring	abre	Non	ontime
	weekday	miutas	Hone	slight	ontine
	Weekday)	Winter	None	None	ontime
	Holiday	Winter	HIGH	slight	late
	Saturday	Summer	Nooma	None	Onting
	weekday!	Auman	Normal	None	very late
	Holiday	Summer	High	slight	ontine
	sunday.	Summer	Normal	None	ontime
	Weekday	Winter	High	Heavy	very late
	weekday	Common	None	slight	Ontime
	Sarrady	spring	High	Heavy	Canculed
	Weekdong	Summer	High	Slight	ontine
	Weekday	Winter	hasuman	None	late
	weekday	summer	High	Hone	Onting
	weekday	winter	Normal	Heavy	very late
	Saturday	Autumn	High	signi	ontime
	weekdowý	Autumo	None	fleavy	ontim
	Holiday	spring	youna		ontine
	weekay	Soring	Noon		on Hm
	weekday'	spring	Morma		I on time
1					

1 ets concentre all the posterior and prior probabilities.

Prior probabilities -

Day:-				
-9	ontine	(ade)	very loses	Cascillad
Weekdory	9/14 = 0.64	12:0.5	3 3 1	011 = 0
Satysday	12/14=0.14	1/2 =0.5	913 = 0	1/1 = 1
Sunday	11/4 = 0.00	012 =0	0 3 2 0	01=0
Holida	1/2/14 0.14	015=0	013=0	01,=0
			1	

season -

1101-6	ontine.	late	very/at	Concilled
Spring	4/14 - 0.29	0/2=0	015 = 0	01 = 0
some	6/14 = 0.43	0 2 = 0	013 = 0	
Autum	2/14/20.14	0/2 =0	1/3 = 0.33	011=0
Winter	2/14 = 0.14	2(2=)	图3 = 0-6	1 01, =0
00 1				

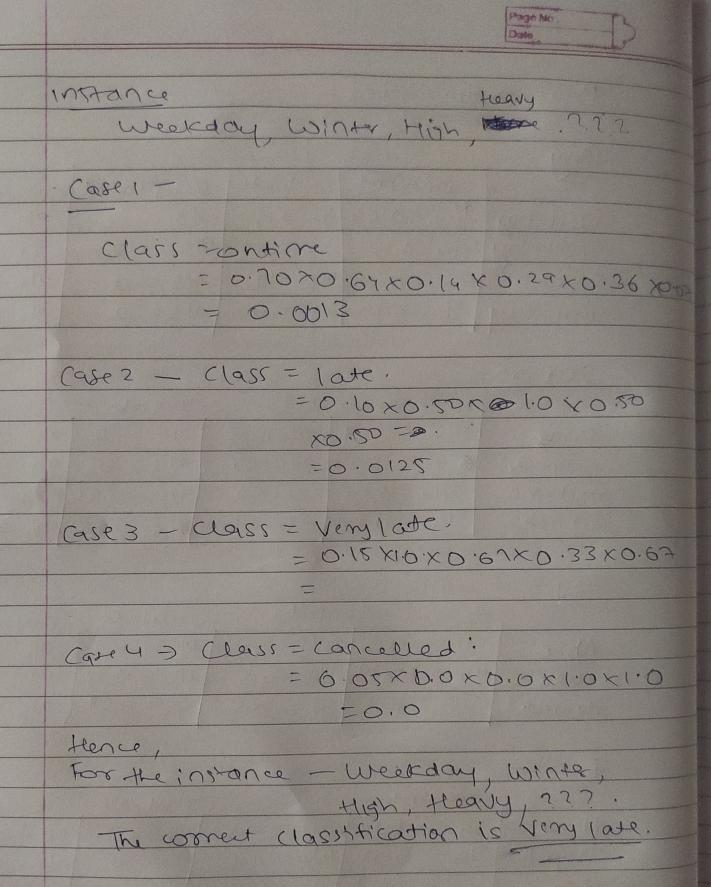
Fog -

1		ontim.	late	vermlate.	Cancelled
1	1	5/19 = 0.36		DIS = 0	0/0 = 0
-	None	5/19 = 0.36	1111	11/3 = 0.33	111 = 1
		4/14 = 0.29	The state of the s	67	
	roomal	5/14 = 0.36	11/2 = 0.5	143	1
	Parameter and the second secon				

Rain -

Rain -	And the second	2 -	very late	Cancilled
	sly = 0.36	Tile or	1 1/2 - 0.33	01, =0
None	5/14 = 0.36	11/2 : 03	613:0	1011 =0
Slight	5/14 = 0.36 8/14 = 0.07 1/14 = 0.07	1112 - 0.5	1213 = 0.67	11/2 = (
Heavy	1114 = 0.01	1111		

		1
Min !		2/00=0.18/1/20=0.08
1.100	2/20=0.10	3/10
Trobatilities -	14/20:0.70 2/20:0.10	1



province and a service and a s	-
Andrew March	
EAST.	
Emerge and provide the provide the source of	The second second

	The state of the s	Themas.	40101
	250 (90)	200(360)	450
tiction	101010	1000(340)	1050
non fiction	300	1200	1500

Ho:- The two attributes prejured reading and genderare correlated.

HI: The preferred reading and age are not correlated.

- The above data using this equals text

22 = 5 (Observed - Experted)
Experted

 $\chi^{2} = (250 - 90)^{2} + (50 - 210)^{2}$ $= (200 - 360)^{2} + (1000 - 840)^{2}$ $= (200 - 360)^{2} + (1000 - 840)^{2}$ = 360 = 840

= 284.44 + 121.9 + 71.11 + 30.48

122 = 507.93

.. The above correlation analysis shows that preferred reading & gender are correlated.

:. We accept the flypothesis that prefused seading and gender ask worelated for the siven stroup.