1	Assignin	ent-I			
9.1.					
AIR TRAFFIC	DATA			Swapril Ma	rdavilli
				201912003	37
3.0	1 5	10	Get 10	BE-EXTC	1
100	YAY	CATEGOR	IES: ON	TIME	14/20
S	EASON	14	(A)	E	2/20
1777	=0G		VERY		3/20
9	SAIN		CAN	JUELLED	1/20
(A)	10.	.218	412.0		
NAIVE BAYESA	IN CLASSIFIE	ER MAN			
1000	0(1)	06.13	n/		
P(y x,x	1) = P(26/4)	Parly).		and the state of t	
11		Par) Par)	POLZ. POLA		9
Today		man who ex			
TABULATION O	FALL PROB				
A = = 2 · 2 · · · · · ·	71005	CLA		c On Vo	= ( EN
ATTRIBUTI			213 = 1	0/1 =	
WEEKDAY /	9/14 = 0.6	1			= 1
> SATURDAY	1 or see a second	4 1/2=0.5			0
A SUNDAY		70/2 = 0 $40/2 = 0$	013 = 0		- 0
HOLIDAY	1,4800				
SPRING		2901220	013 = 0	1	- 0
g summer		3 0/2 = 0		0/1 =	
5 AUTUMN	2/14=0.1		1/3 = 6.33		; 0
WINTER!	2/14 = 0.1		2/3 = 0.6	1 ,	
NONE		6 0/2 =0	1		0
DI/HIGH//	4/14 =0.5	9 1/2=0.5	1/3 = 0.3		= [
NORMAL			213 = 0.6		- 0
NONE/	5/14 - 6.36	1/2=0.5	1/3 = 0.3		> 0
SUGHT	8/14 = 0.57		0/3 = 0	0/(-	= 0
2 HEAVY	1/14 = 0.0	1 112:0.5	2/3 = 0.6	7 1/1 =	=
	14/20=0.7				0-05

77	RAI	7	1 to 1	CANC	ELLED 1/20		
0		SM.	218	1774			
NAIVE BAYESAIN CLASSIFIER							
0(1)0(1)							
1000	$y(\lambda_1,\dots,\lambda_n)$	= P(26/4) P	OC. 19)	Pany P(y)			
			raci) raci)	P(212) r(2(a)			
TO	BULATION OF	ALL DRUKA	RILITIES		1-1-1		
TABULATION OF ALL PROBABILITIES  CLASS							
	ATTRIBUTES	ON TIME	LATE	VERY LATE	CANCELLED		
	WEEKDAY	9/14 = 0.64			0/1=0		
AY		2/14=0-14			111 = 1		
A	Total Control of the	1/14=0.07	0/2=0	013 = 0	011 = 0		
2015	HOLIDAY	2/14=0-14	0/2=0	013 = 0	011 = 0		
	SPRING	4/14 = 0.29	01220	013 = 0	011 = 0		
808		6/14 = 0.43			0/1 = 0		
CA S	AUTUMN	2/14=0.14	0/2 = 0	1/3 = 6.33	0/1 = 0		
S	WINTER//	2/14 = 0.14	212=1	2/3 = 0.67	0/1 = 0		
	NONE	5/14 = 0-36	0/2=0	0/3 = 0	0/1=0		
Fog	//KIGH///	4/14 =0.29	1/2=0.5	1/3 = 0.33	1/1=1		
Ш	NORMAL	5114=0.36	112=0.5	213 = 0.67	011 = 0		
	NONE	5/14 - 6.36			0/1=0		
AIR	SUGHT			0/3 = 0	0/(=0		
2	HEAVY	1/14 = 0.07	112:0.5	2/3 = 0.67	1/1=1		
		14/20=0.7	2120=0.1	3120 2 0.16	1/20=0-08		

10033	
	Swapril Mandaville
	INSTANCE
	WEEKDAY WINTER HIGH NONE
L. San	CASE 1: [Class: ON TIME] => 0.7 x 0.64 x 0.14 x 0.29 x 0.36 = 0.0065
	CASE 2: Class: LATE => 0.1 X0.5 X 1 X0.5 X 0.5 = 0.0125
in.	
	CASE 3: Class: Very Late => 0.15 x 1 x 0.67 x 0.33 x 0.33 = 0.0111
	A COUNT OF THE MICHAEL STATE OF THE STATE OF
(	ASE 4: Class: (ancelled)=) 0.05 x 0 x 0 x 1 x 0 = 0
	of the Residence of the Armite State of the Armite State of the State
	Case 2 that is class: LATE is the storongest, since
	0.0125 is greater than all the other 3 value.
	0.0123 N 9.0000 WW W.
	The connect classification for the given instance
ic.u.	The connect classification for the given instance
	as rate.
	ANS: LATE

		Swapfil	Mardavill
8.2.]	A CONTRACTOR OF THE CONTRACTOR	2019120	037
		BE-EX-	TC
Null Hypothesis (40): Perefers	red greading	and gerder a	gre
not	mulated is	the group.	
		1	114 42
Alternate Hypothesis (Ha): Peref	rred greading	g and gender	are
Alternate Hypothesis (Ha): Peref	related in th	e group.	
· Computing the x2 values			
		- 1	المعاملة المعاددة والمعاددة والمعادد
X2 = 5 (Observed - Expected Expected			
L Expected	<del></del>		
As pen the table, OH = 250	$e_{11} = 90$		
012 2000	1012	A-c.v	
$0_{21} = 50$			
797			
$\frac{1}{1200} \times 2 = \frac{250 - 90}{1200} + \frac{200}{300}$	-360)2 + (50-	210) 1 (1000	-840)2
90 36	21	0 84	0
= 284.44 + 121.90	f 71.11 + 30.48	2 807.93.	
Fon 2 x2 table, degree o	t derooden a	2-1)(2-	1) = [
o ton 2 x2 own; organs			
Degree of freedom value: Degréficance level: 0.00	1610.828 (4	nom x2 distr	ilution
segnificance level: 0.00			bable)
	0 L	И	agethed.
· slace, the computed va value (507.937 10.828),	ue is greate	a rull hupo	heir.
value (507.937 10.878)	of again a	a ruse region	
: We conclude that preferenced	treading and	gender are co	related.
	Bernell States A. V. Laboured J. States and S. States and		