

## Vidyavardhini's College of Engineering and Technology Department of Artificial Intelligence & Data Science

alle alle de la company de		AY: 2024-25	5
Class:	TE	Semester:	V
Course Code:		Course Name:	Stats

Name of Student:	Sainath Khot
Roll No. :	20
Assignment No.:	5
Title of Assignment:	
Date of Submission:	
Date of Correction:	

## **Evaluation**

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	
Demonstrated Knowledge	3	
Legibility	2	
Total	10	•

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)	
Completeness	5	3-4	1-2	
Demonstrated Knowledge Legibility	3	2	1	
Legibility	2	1	0	

## Checked by

Name of Faculty :

Signature :

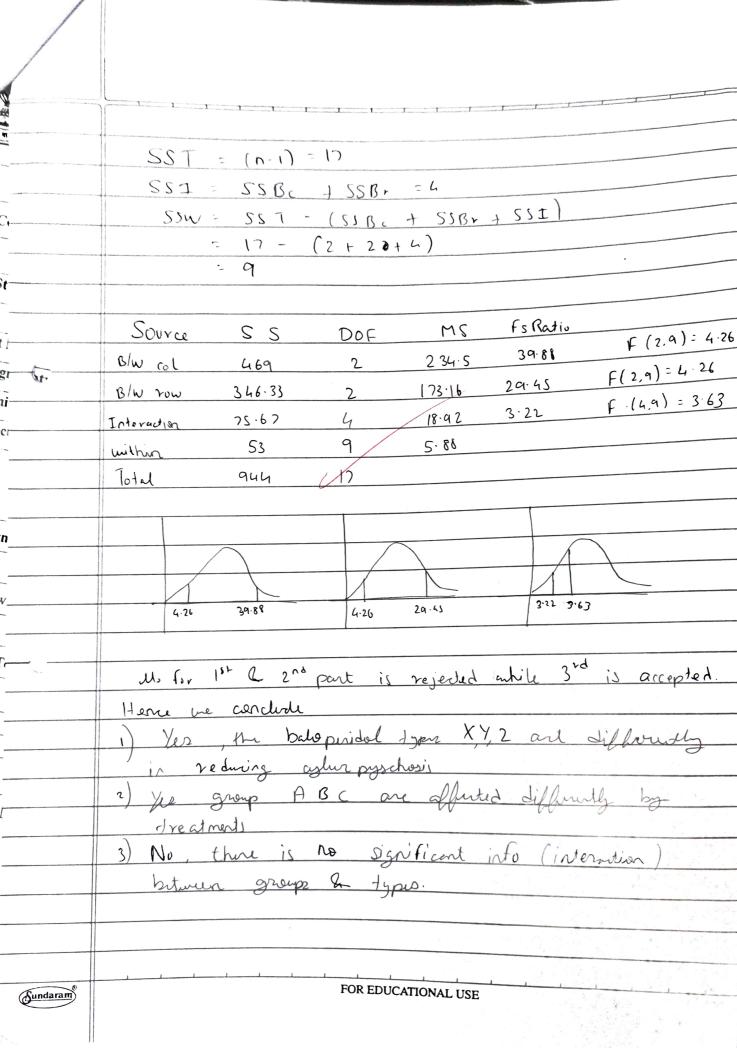
Date :

		Assignment	5					
Ö'	Baloperidol							
	Chroup of people							
	A	25	antiques a similar in consequence of the consequenc	L3	and the second section and the second section of the section of			
		27	8	L 8				
	ß	21	16	19				
teritori del Parindo de disconsenti activare in la consequenti spene pinguentega, collingo collingo		24	11	14				
	С	29	19	30				
•		31	21	27				
	1) Correction for	tov = /	(T)2					
	(1) COVVECTION OF S		n					
			(360)2					
			(8	1				
		= 7	720 v					
			-					
	(2) Sum of squares	d total	= (722)					
	(2) sum of square	5xij -	Correcti	an facto	~			
<b>←</b> :—	5	8144 -		F., Y				
	2	944		3 . 44 1				
	-	(-(-)						
	3 Sun of Square	d betwe	en colum	n (SS	Bc)			
	= \( \Sigma \)	- (02	redian f	actor				
	n;							
		y e	Profiles	300 Sec. 16-				
	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	+ 82	X82 +	ni xizi	- 7200			
	6	6		6				
	= 469							

Sundaram

3) Sum of squared between for Rows (53Br) = (Esi) - correction factor = 346 33 (4) Sun of squared written (SSW) - ε (xij - x) + ε(xij - xi)2  $- [(25-26)^{2} + (27-26)^{2} + (2.5-7)^{2} + (7.5-1)^{2}$  $+ (15.5 - 13) + (15.5 - 18)^{2} + (20.5 - 21)^{2} + (22.5 - 24)^{2}$   $+ (13.5 - 16)^{2} + (13.5 - 11)^{2} + (16.5 - 19)^{2} + (16.5 - 14)^{2} + (30 - 28.5)^{2}$   $+ (30 - 29)^{2} + (20 - 21)^{2} + (20 - 19)^{2} + (20 - 21)^{2} + (30 - 28.5)^{2}$ + (27 - 28.5) Sum of squared interaction (SSI) = 557 - [SSBC + SSBr + SSW] = 944 - [469 + 346.33 +53] - 75.67 DOF :-SIB: ((-1) = 2 SSBY = (2-1)=2 SSI = (n-1) - 17 B

undaram



Krustert until: dust 15 a non-parametric Strawfeel tent used to decrave if them are statistically synticut diff butuum 3 ex more independent groups. The first worker by tarking he date from all groups together and then analyzing the rank Sums

This test is appropriate when i-

1) The data does not mut the assumption of normality

(2) The data is ordinal but does not mut parameter test assumption.

(3) The are 3 or more independent groups being compared.

-	( C )		0614	F	Parker		
Commence of the last	(b) 4r	anus	24	Agricultura Anni Charles (1700) Al implicatoria anni charles (1800) Anni Charles (1800	7.5	13	encentro como como contra con como cinare.
and the same of	10	20	75	au accomo de transferencia con que de construir de constr	7.5	14.3	
Contraction of the last	15	20	23	3	2:9	14.5	and the same of th
Sandare and March	10	01		4	9.5		
- Contraction of the last	.6	22		5.5	11.3		
-		22		5.3	11.5		

Wane of the exhaus associated with A C B 0 A B C B 0 B A FOR EDUCATIONAL USE

Sundaram)

Oi

Finding sum o	The R	ahr	7	
A Rock	8	Rak	timusta anni ari ari ari ari ari ari ari ari ari ar	Renk
18 55	14	The second secon	20	7.5
20 7.5	15	2	21	9.5
21 9.5	16	3	21	115
22 114	1)	4	24	13
25 14.5	18	5.2	25	14.5
5 48.3	5	12.2	5	Sc
Krushal Wall!	List	etatistil		
	W.		and the second s	
H= 12	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Ri - 3	3 (0+1)	
n(n+	1) 1=1	O!		
H = 12	(48.5)2	+ (12.2)5	+ (56)2 - 3	(16)
(5(6)	S	S	S	
17 - 0.597				
DOF = (K-1	) = 3-1	- Z		
Los = 5.1.	./.	عارع = 0٠٥٥	= S.991	
			-	
		5.991 9.	285	
		3.411. 41	2	

FOR EDUCATIONAL USE

ındaram

(c) Wall Popolhesis (11.) The la no statisfally synificant difference in he plant hight butuners the three enhancers Alterate hypothesis (H.): There is a statistically significant difference in the plant highes between the three enhancers: d) As ne H > six, lo is rejuled and we could that there is a statistically significant difference in the plant heights between the three enhancers They have significantly different imports on the plant species given.