Progress

Mentor

Unit 7 - Week 6

How does an NPTEL online

Randomize block design

Two Way ANOVA

Linear Regression - I

Linear Regression - II

Linear Regression - III

Important Data files

O Quiz: Assignment 6

Solution : Assignment 6

Course outline

course work?

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Feedback

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Accepted Answers:

(RBD)

A	\ss	ignm	ent 6		
				nment has passed.	Due on 2020-03-11, 23:59 IST.
1) differ surge consi	In a cor substant to anoth deration k To wha	npletely rand ially in their a er? A study r of several sci	omized design, bility to handle neasuring the e hedules for the	a random sample of Salesmen would be assign the number of customers. What is the high su fficiency of the salesmen resulted in proposals	gned to each shop alternatively. However, salesmen are believed to 1 point rge of customers to one salesman might be only moderate or even low for modification and redesign of the salesmen's work schedule. After as having the best potential for increasing the efficiency of the salesmen. ciency of the salesmen?
1 2	75 74	76 74	78 74		
3 4	70 73	71 72	75 77		
5 6	76 73	73 73	76 73		
				bove problem we will	
	Reject	the null hypo the null hypo state any con	thesis		
O None of the above No, the answer is incorrect.					
Score: 0 Accepted Answers: Accept the null hypothesis					
differ surge consi	substant to anoth deration k To wha man	ially in their a er? A study r of several sci t extent does Schedule1	bility to handle measuring the e hedules for the the three alter Schedule2	the number of customers. What is the high sufficiency of the salesmen resulted in proposal	gned to each shop alternatively. However, salesmen are believed to 1 point rge of customers to one salesman might be only moderate or even low is for modification and redesign of the salesmen's work schedule. After as having the best potential for increasing the efficiency of the salesmen. Sciency of the salesmen?
1 2	75 74	76 74	78 74		
3 4	70 73	71 72	75 77		
5 6	76 73	73 73	76 73		
After	performi	ng one way R	BD on the abo	ve problem we will	
	Accep	the null hypo	othesis		
Reject the null hypothesis Can't state any conclusion					
		ne above	Cidsion		
No		wer is incorr	ect.		
Accepted Answers: Reject the null hypothesis					
differ surge consi	substant to anoth deration k To wha	ially in their a er? A study r of several sci	bility to handle measuring the e hedules for the	the number of customers. What is the high sufficiency of the salesmen resulted in proposal	gned to each shop alternatively. However, salesmen are believed to 1 point rge of customers to one salesman might be only moderate or even low is for modification and redesign of the salesmen's work schedule. After as having the best potential for increasing the efficiency of the salesmen. Sciency of the salesmen?
2 3	74 70	74 71	74 75		
4 5	73 76	72 73	77 76		
	73 true or fa ment: Th		73 ence between	Mean Square treatment when the above quest	ion is solved with the help of ANOVA and that of when solved with RBD
	True False				
Sc	ore: 0 cepted /	wer is incorr	ect.		
4)	The val	ue of MSE wh	nen problem 1 i	s solved by ANOVA is:	1 point
	9.555 9.555				
6	3.588				
Sc	ore: 0	wer is incorr	ect.		

3.588 5) The value of MSE when problem 2 is solved by RBD is: 1 point 1.955 9.555 6.855 3.588 No, the answer is incorrect. Score: 0 Accepted Answers: 1.955 6) In the following Python code "ols" function is imported from to which module? 1 point model = ols('value ~ C(blocks)+ C(treatments)', data=data).fit() anova_table = sm.stats.anova_lm(model, typ=1) anova_table scipy statsmodels.api statsmodels.formula.api LinerRegression No, the answer is incorrect. Score: 0 Accepted Answers: statsmodels.formula.api 7) For the given data determine the R2 value 1 point Data: Miles travel Petrol Consumption in litre 20 1 45 3 5 56 34 2 28 1.6 49 3.7 0.887 0.956 0.945 0.932 No, the answer is incorrect. Score: 0 Accepted Answers: 0.956 8) In question no. 7 we will: 1 point Accept the null hypothesis Reject the null hypothesis Can't state any conclusion None of the above No, the answer is incorrect. Score: 0 Accepted Answers: Reject the null hypothesis 9) State True or False 1 point Statement: The variance of error, is same for all values of the independent variable True False No, the answer is incorrect. Score: 0 Accepted Answers: True 10) In Ques7 determine a 95% confidence interval for b1 to test the hypotheses 1 point (0.045, 0.138) (0.055, 0.148) (0.065, 0.158) (0.075, 0.138) No, the answer is incorrect. Accepted Answers: (0.075, 0.138)