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Courses » Advanced Green Manufacturing Systems

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Unit 13 - Week 11

Register for Certification exam

Course outline

How to access the portal

Week 0

Week 1

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Week 11

- Lecture 37: Numerical Analysis in Factorial Experiments - Part 1
- Lecture 38:

Assignment 11

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-04-17, 23:59 IST.**

Consider the following data from a factorial experiment. Analyze the data and answer the questions given below.

Use α as 0.05.

		Factor B					
		1		2		3	
Factor A	1	32	44	34	42	22	61
		25	40	80	67	27	39
	2	53	83	91	79	44	86
		76	89	85	96	75	23
	3	97	104	132	85	75	108
		91	111	67	98	94	87

1) Calculate total sum of squares and choose the correct option from below.

2 points

- 41062.58
- 29062.56
- 35125.08
- 41684.57

No, the answer is incorrect.

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Methods - Part 1

Lecture 40: Overview of Optimization Methods - Part 2

Quiz : Assignment 11

Solutions - Assignment 11

Advanced Green Manufacturing Systems : Feedback For Week 11

Week 12

456.98

748.45

331.46

No, the answer is incorrect.
Score: 0

Accepted Answers:
331.46

3) Calculate the sum of squares of interaction and choose the correct option from below. **2 points**

1198.94

1542.87

876.45

956.23

No, the answer is incorrect.
Score: 0

Accepted Answers:
1198.94

4) Calculate the mean sum of squares for factor B and choose the correct option from below. **2 points**

331.36

963.36

936.60

346.60

No, the answer is incorrect.
Score: 0

Accepted Answers:
963.36

5) Choose the correct F-value for interaction from below. **2 points**

0.49

0.76

0.72

0.90

No, the answer is incorrect.
Score: 0

Accepted Answers:
0.90

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