

UTAustinX: UT.7.20x Foundations of Data Analysis - Part 2



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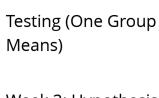
Question 4

Below is the source table for a study on sleep aids, comparing the effectiveness of three (3) different treatments. <u>Note that some of the elements of the table are missing.</u>

	ss	df	MS	F
Between Treatments	782.00			
Within Treatments		34		
Total	2,147.00			

(1/1 point)

4a. What is **SS_{Within}**?



- Week 3: Hypothesis Testing (Two Group Means)
- Week 4: Hypothesis Testing (Categorical Data)
- Week 5: Hypothesis Testing (More Than Two Group Means)

Readings

Reading Check due May 03, 2016 at 17:00 UTC

Lecture Videos

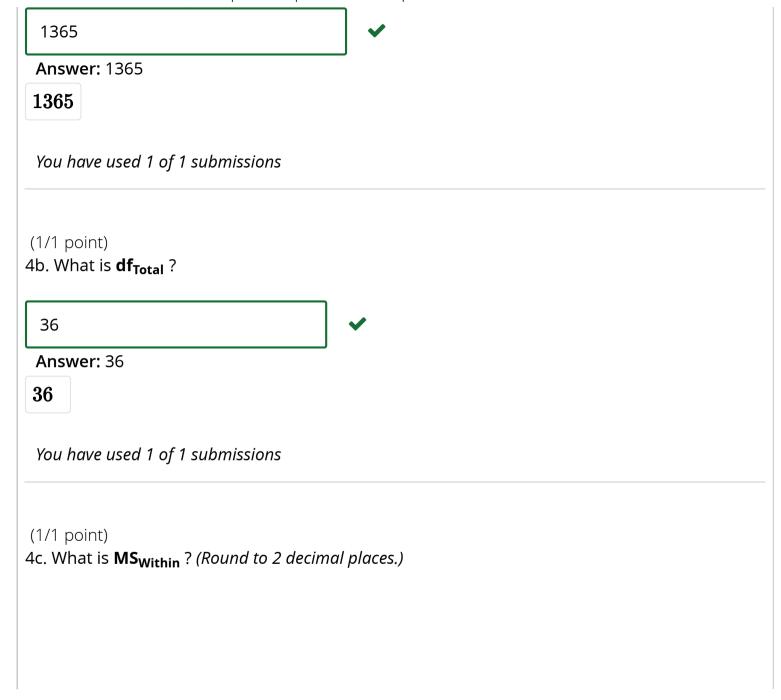
Comprehension Check due May 03, 2016 at 17:00 UTC

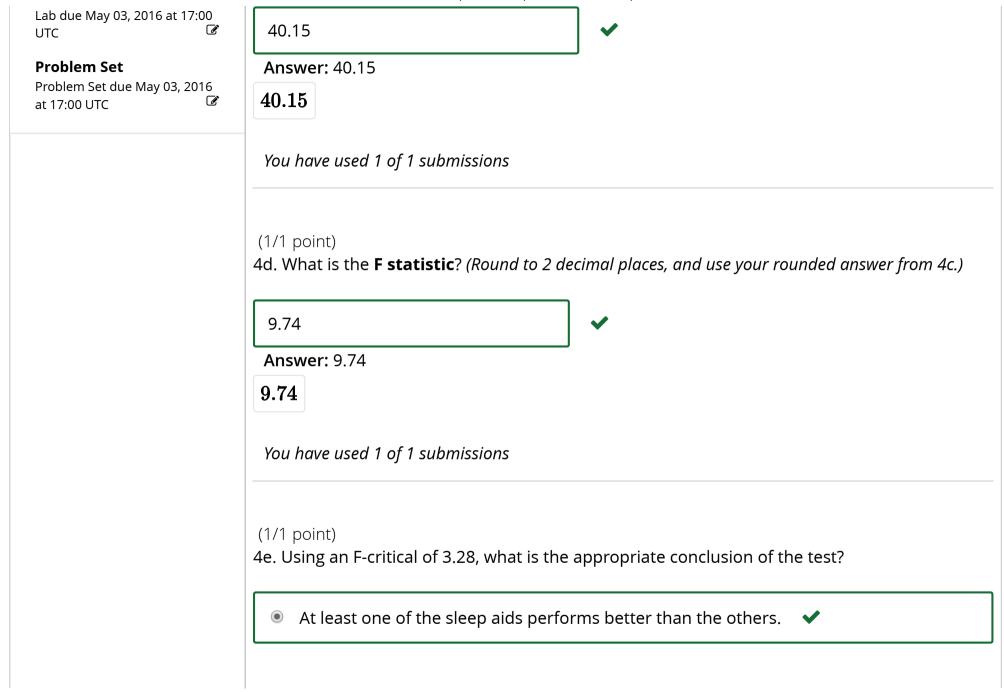
R Tutorial Videos

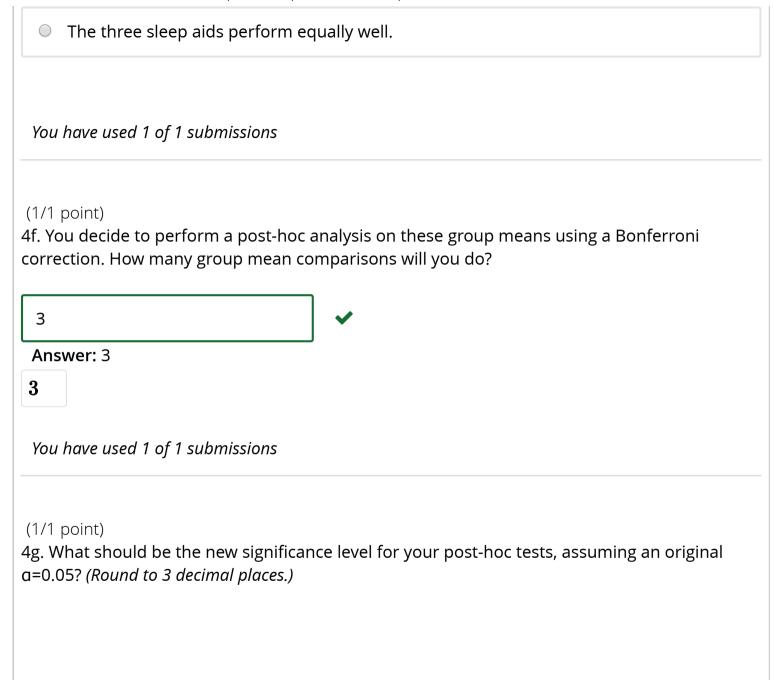
Pre-Lab

Pre-Lab due May 03, 2016 at 17:00 UTC

Lab







0.017

/

Answer: 0.017

0.017

You have used 1 of 1 submissions

4h. Here are the results from your post-hoc analysis. These are the p-values from the actual t-tests. They are not adjusted, so be sure to compare them to the significance level you calculated above.

	T-Statistic	P-Value
Group 1 - Group 2	1.90	0.137
Group 1 - Group 3	3.79	0.004
Group 2 - Group 3	3.44	0.028

(1/1 point)

What do you conclude?

- The Sleep Aid 1 group and Sleep Aid 2 group were significantly different from Sleep Aid 3 group, but not from each other.
- The Sleep Aid 1 group and Sleep Aid 2 group were significantly different from one another.
- The Sleep Aid 1 was significantly different from the Sleep Aid 3 group.

You have used 1 of 1 submissions

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