

Quiz 4 Review Chapters 10 & 13

Quiz contains: True/False, Multiple Choice, Short Answer, and Computations

To perform well, you need to understand the concepts we have discussed in class, as well as be able to apply the concepts to computations.

Here are some sample computations you should be able to perform:

1. Use the following data to answer this question.

<u>Treatment 1</u>	<u>Treatment 2</u>
n = 6	n = 6
O = 14	O = 18
SS = 31	SS = 34

Do these data indicate a significant difference between the treatments at the .01 level of significance?

2. The data below are from an independent-measures experiment comparing three different treatment conditions. Use an ANOVA with $\alpha = .01$ to determine whether these data indicate any significant difference among the treatments.

<u>Treatment 1</u>	<u>Treatment 2</u>	<u>Treatment 3</u>
0	1	4
0	4	3
0	1	6
2	0	3

You should also be able to...

- C Fill in the blanks of an ANOVA table
- C Conduct an ANOVA and an independent-measures t-test

Finally, you should be very familiar with:

- C Factors/levels/degrees of freedom
- C What information an F-ratio provides you

Remember: This study guide gives you an idea of what to expect on the quiz. It is not an exact replica, and all material covered in the chapters and in class is fair game.