

Week 7: Quiz | Statistics

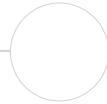
Started: Apr 16 at 8:32am

Score for this attempt: 200 out of 200

Quiz Instructions

Week 7

Statistics



Quiz

Purpose

The purpose of this quiz is for you to demonstrate application of knowledge of parametric and non-parametric statistics.

Instructions

Take the quiz assigned for this week. The quiz is locked until Day 1 of Week 7. You may take the quiz anytime during this week.



Attempts: 2

- The highest score will be recorded in the gradebook. If you are satisfied with your score on the first attempt, no need to retake the quiz a second time.
- ◆ Questions: All quiz questions come directly from the course content.
- ◆ Time Limit: None
 - While there is no time limit to complete the quiz, we suggest you allow 30-45 minutes of uninterrupted time to complete the quiz.
- ◆ Respondus Lockdown Browser: Not required
 - You may use your resources while taking the quiz.

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Course Outcomes

This assignment enables the student to meet the following course outcomes:

1. Evaluate selected statistical methods for the purposes of critiquing the research to complement the critical appraisal of evidence. (POs 3, 5, 7, 9)

Due Date

- ♦ By 11:59 p.m. MT on Sunday
-

Question 1

8 pts

the level of significance, they are thinking about the possibility of Type I and Type II errors. When researchers are testing these answers below would be a consequence of a type I error?

apy is effective when it is not effective. The scientists report the chemotherapy is not effective when it is effective. The scientists report their answer in this scenario

Question 2

8 pts

Using the interactive statistical flowchart, which of the options below is an assumption of the Mann Whitney U test?

The data sample size must at least 200

be

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The data is arranged in a scatter flowerpot curve

Independence of observations, or the data is independent of each other The data are related to each other or paired

Question 3

8 pts

re 2 groups and one

the researchers measured the relationships and they have a true independent variable. Using the interactive statistical flowchart

John's Relational test Bonjovi's test

Regression Analysis

Spearman's Rank Correlation

Question 4

8 pts

d correlation of the participant demographics. She plots a histogram measuring income versus education level. She produces

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