

Score for this attempt: 200 out of 200

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This attempt took 703 minutes.

Question 1

8 / 8 pts

The mean is influenced by_____.



the order of the data



the total number of the same values



the individual scores



the standard deviation

Question 2

8 / 8 pts

The range of the data is calculated by doing the following:



Adding the individual numbers in the sample and dividing by the total number of observations in the sample



Selecting the number in the exact middle of the data sample



Squaring the variance



Subtracting the lowest value in the sample from the highest value

Question 3

8 / 8 pts

The DNP student is conducting data collection at the end of the implementation cycle in her DNP project. The student also collected data before the intervention was implemented. The level of

measurement is ratio and the student has parametric data. The student would like to measure the relationships between the pre-implementation and post-implementation samples. The student realizes she has a true independent variable. Using the interactive statistical flowchart, what statistical test will she conduct on his data?



John's Relational test

Palatium test



Bonjovi's test



Regression Analysis

Question 4

8 / 8 pts

A student scores a 749 on the Scholastic Assessment Test (SAT). A college admissions committee does not know how the exam is scored; however, they do know the scores of the exam form a normal distribution pattern. They also know the mean score and standard deviation of the population of students that took the test. Using this information, determine whether or not the student scored well on the SAT.

Mean = 495

Standard deviation = 116



The student's score was very good and 2 standard deviations above the mean.



The student's score was average, similar to the mean.



The student's score was poor and below a single standard deviation of the mean.

The student's score was good and 1 standard deviation from the mean.

Question 5

8 / 8 pts

Which of the following is not considered to be a test statistic of a sample population?



μ



s

☐

s2

☐

x

Question 6

8 / 8 pts

What is the word to describe Interval and Ratio Data in which the data is in order and has the same difference between all variables. Examples of this type of data are height, weight, temperature, IQ and GPA.

☐

Level 1 and level 2 data

☒

Continuous data

☐

Normalized data

☐

Random data

Question 7

8 / 8 pts

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

☐

The scientists report the chemotherapy is effective when it is not effective.

☒

The scientists report the chemotherapy is not effective when it is effective.

☐

The scientists report their results as inconclusive

☐

There is no way to determine the answer in this scenario