

BUS 324 F21 Quiz 1

00:20:00

Last Name

First Name

Email address

School ID (Last four digits):

Click the next button to begin. Do your best to enter your answers You have 20 minutes to complete this task. When you are at the question 30 do not click "Next" unless you are ready to submit your answers for grading. Good Luck!

Question 1 of 30

Which of the following statements (is) are correct with regarding the concept of qualitative data?

- Values are inherently categorical (10 points)
- Values are inherently numerical (0 points)
- Values are inherently ordinal (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 2 of 30

Which of the following statements (is) are correct regarding the concept of a right-skewed data?

- A data distribution where the mean of the data is larger than the median (10 points)
- A data distribution where the median is larger than the mean (0 points)
- Both tails are symmetrical (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 3 of 30

Which of the following statements (is) are correct with regards to the concept of Four Vs of Big Data?

- Volume (0 points)
- Velocity (0 points)
- Variety (0 points)
- Veracity (0 points)

- None of these (0 points)
- All of these (10 points)

(10 points) | ____

Correct

Incorrect

Question 4 of 30

Which of the following statements (is) are correct regarding the concept of quantitative data?

- Values are inherently numerical (10 points)
- Values are inherently categorical (0 points)
- Values are inherently ordinal (0 points)
- None of these (0 points)
- All of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 5 of 30

Which of the following are considered to be non-statistical sampling techniques?

- One's judgment (0 points)
- Convenience (0 points)
- Guess (0 points)

- All of these (10 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 6 of 30

Which of the following statements (is) are correct with regards to the concept of a Binomial Probability Distribution?

- It is bell shaped (0 points)
- It is symmetrical around the mean (0 points)
- The distance from the mean is measured by standard deviations (0 points)
- Probability distribution for a discrete random variable (10 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 7 of 30

"Standard deviation" is the positive square root of the variance:

- True (10 points)

- False (0 points)

(10 points) | ____

Correct

Incorrect

Question 8 of 30

Which of the following statements (is) are correct regarding the concept of a dependent variable?

- Its value depends on the value of other variables (10 points)
- Its value does not depend on the value of other variables (0 points)
- It is always equal to zero (0 points)
- None of these (0 points)
- All of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 9 of 30

Which of the following statements (is) are correct regarding the concept of a census?

- A census requires one to obtain data from every parameter of the population (10 points)
- By law, a census can be substituted by sampling (0 points)

- A census is more cost effective than sampling (0 points)
- None of these (0 points)
- All of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 10 of 30

Which of the following statements (is) are correct with regards to the concept of Axioms?

- Givens and assumptions (10 points)
- A normal distribution that has its mean equal to zero (0 points)
- Use to measure the relative variation of data (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 11 of 30

Which of the following statements (is) are correct regarding the concept of a parameter?

- A parameter is an element of a population (10 points)
- A parameter is an element of a sample (0 points)

- A parameter is a measure of the total length of a fence (0 points)
- None of these (0 points)
- All of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 12 of 30

Outliers are:

- Unusually high numbers (0 points)
- Found two or more standard deviations from the mean (0 points)
- Should be tested for validity (0 points)
- None of these (0 points)
- All of these (10 points)

(10 points) | ____

Correct

Incorrect

Question 13 of 30

Which of the following statements (is) are correct with regards to the concept of Optimization Model?

- A mathematical model (0 points)

- The output is the best decision within the specified constraints (0 points)
- All of these (10 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 14 of 30

Which of the following statements (is) are correct with regards to the concept of Frequency Distribution?

- A random variable (0 points)
- A tabular summary of data (10 points)
- The distance from the mean is measured by standard deviations (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 15 of 30

Which of the following statements (is) are correct with regards to the concept of a Uniform Probability Distribution?

- It is bell shaped (0 points)
- Its graphical representation is a triangle (0 points)
- The height of this distribution is measured by standard deviations (0 points)
- All of these (0 points)
- None of these (10 points)

(10 points) | ____

Correct

Incorrect

Question 16 of 30

Which of the following statements (is) are correct with regards to the concept of Descriptive Statistics (analytics)?

- Describe what has happened (10 points)
- Used to infer the characteristics of a given population (0 points)
- Measures the linear association between two variables (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 17 of 30

Which of the following statements (is) are correct regarding the concept of a statistic?

- It is an element of a population (0 points)
- It is any random number (0 points)
- It is an element of a sample (10 points)
- It is basically the same term as the term "statistics" (0 points)
- None of these (0 points)
- All of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 18 of 30

Which of the following statements (is) are correct with regards to the concept of predictive analyses?

- They are typically forward-looking (10 points)
- They are typically backward-looking (0 points)
- They are designed to help with the GAP analyses (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 19 of 30

The Decision-making process includes the following steps:

- Identify and define the problem (0 points)
- Determine the evaluation criteria (0 points)
- Identify the set of alternative solutions (0 points)
- Evaluate alternatives (0 points)
- Choose best alternative (0 points)
- All of these (10 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 20 of 30

Which of the following statements (is) are correct regarding the coefficient of variation?

- It is used to measure the relative variations of data (10 points)
- It is used to to identify outliers (0 points)
- It is always shown as an integer (0 points)
- None of these (0 points)
- All of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 21 of 30

Which of the following statements (is) are correct with regards to the concept of Correlation Coefficient?

- A standardized measure of association between two variables (10 points)
- It is symmetrical around the mean (0 points)
- The distance from the mean is measured by standard deviations (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 22 of 30

Which of the following statements (is) are correct regarding the statistical inference tools?

- These tools help to reach a conclusion about a population based on a sample (10 points)
- These tools help to reach a conclusion about a sample based on a population (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 23 of 30

Which of the following statements (is) are correct with regards to the concept of a normal distribution?

- It is bell shaped (0 points)
- It is symmetrical around the mean (0 points)
- The distance from the mean is measured by standard deviations (0 points)
- All of these (10 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 24 of 30

Which of the following statements (is) are correct with regards to the concept of an Exponential Probability Distribution?

- It is bell shaped (0 points)
- It is symmetrical around the mean (0 points)
- The distance from the mean is measured by standard deviations (0 points)
- It is a continuous probability distribution (10 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 25 of 30

Forensic research typically is based on descriptive statistics of data points collected in the past:

- True (10 points)
- False (0 points)

(10 points) | ____

Correct

Incorrect

Question 26 of 30

Which of the following statements (is) are correct regarding the consumer research?

- This type of research is reliable (0 points)
- This research will yield perfect information (0 points)
- It is unbiased (0 points)
- All of these (0 points)
- None of these (10 points)

(10 points) | ____

Correct

Incorrect

Question 27 of 30

Which of the following statements (is) are correct with regards to the concept of a Data Scientist?

- An analyst skilled in both computer science and statistics (10 points)
- An open-source programming environment (0 points)
- A person skilled in editing technical reports (0 points)
- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 28 of 30

Which of the following statements (is) are correct with regards to the concept of a Poisson Probability Distribution?

- It is bell shaped (0 points)
- It is symmetrical around the mean (0 points)
- The distance from the mean is measured by standard deviations (0 points)
- It is a continuous probability distribution (0 points)
- All of these (0 points)
- None of these (10 points)

(10 points) | ____

Correct

Incorrect

Question 29 of 30

Which of the following statements (is) are correct regarding the use of Decision Trees?

- They are graphical tools that are used to compute the EMVs (0 points)
- They are used when the risks are known (0 points)
- They will yield the same solutions as the decision tables (0 points)
- Each act or event is represented by a branch on the decision tree (0 points)
- All of these (10 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

Question 30 of 30

Which of the following statements (is) are correct with regards to the concept of Cross-Sectional Data?

- Data collected at approximately the same time (10 points)
- It is symmetrical around the mean (0 points)
- A measure of association between two or more variables (0 points)
- Data is collected at different times (0 points)

- All of these (0 points)
- None of these (0 points)

(10 points) | ____

Correct

Incorrect

You have reached the end of this answer sheet. Please click next to submit your work for grading.