

Question 1

What are inferential data sets?



They are data sets gathered from a representative sample to make generalizations or predictions about a population.

They are data sets that describe the current or historical state of the observed population.

They are data sets that allow for summarization of findings based on historical data observed about a population.

They are often represented in pie charts, bar charts or histograms.

Question 2

How is the Microsoft Excel VLOOKUP tool used in data analysis?

to summarize descriptive data sets

to interpret inferential data sets



to find specific information in a large spreadsheet

to find the mean average of data sets

Question 3

What can a data analyst do if they wanted to remove duplicate values in a Microsoft Excel spreadsheet?



use VLOOKUP

use conditional formatting

parse the data from "text to column"

highlight errors

Question 4

Which three key pieces of information are required to perform a VLOOKUP function in Microsoft Excel? (Choose three.)



the column number in the range that contains the return value

the mean average of the column



the range where the value is located



the locator value for the blank fields

the lookup value

To perform a VLOOKUP the function needs 4 required pieces of key information:

1. The value you want to lookup – aka the lookup value.
2. The range where the value is located.
3. The column number in the range that contains the return value.
4. And, optionally: Specify TRUE if you want an approximate match or FALSE if you want an exact match of the return value.

Question 5

A data analyst wants to find data point values that are significantly different from others in a data set. What are these values called?



outliers

scatter plots

cluster

associations

Question 6

Why are different sampling techniques used to gather inferential statistical data?



to reduce error and increase confidence in the generalizations about the findings

to get accurate mean values

to verify historical data

to describe or summarize the values and observations of a data set

Question 7

Which type of inferential and machine learning analysis is used to find groups of observations that are similar to each other?

regression

association



cluster

observation

Question 8

Why is regression analytics used in the inferential and machine learning analyses of big data?

It is used to find groups of observations that are similar to each other.

It is used to find to find co-occurrences of values for different variables.



It is used to quantify the relationship, if any, between the variations of one or more variables.

It is used to find the mean average at various data points.

Question 9

A data analyst wants to display the various segments of a country's energy sources (e.g., oil, coal, gas, solar, wind) contributing to 100% of its energy sources in a visual format. What type of chart would be best used to accomplish this?

bar chart



pie chart

column charts

scatter plots