1.

Question 1

Which type of data analysis looks at the cause and effect of relationships between various data elements and events?

\_\_\_\_\_\_\_\_\_\_\_\_ data analysis

1 / 1 point

Causal

Correct

Correct! The Causal data analysis looks at the cause and effect of relationships between various data elements and events.

2.

Question 2

Which of the following four measurement scales are qualitative data types? Select all that apply.

1 / 1 point

Interval scale

Nominal scale

Correct

Correct! The Nominal scale of measurement is a qualitative type of data that can be used for non-numerical data.

Ordinal scale

Correct

Correct! The Ordinal scale of measurement is a qualitative type of data that can be used for non-numerical data.

Ratio scale

3.

Question 3

True or false: The Interval scale of measurement places data in a specific order without decisive criteria that determines how to recognize the differences between the data elements.

1 / 1 point

True

False

Correct

Correct! The interval scale has a precise difference between data points that can be clearly identified and quantified.

4.

Question 4

Data \_\_\_\_\_\_\_\_\_ sorts large data sets to detect patterns in data.

1 / 1 point

mining

Correct

Correct! Data mining is required in data analytics to discover models and detect patterns in data.

5.

Question 5

True or false: Inferential data analysis investigates a small sample of data to make general conclusions about a larger population of data.

1 / 1 point

True

False

Correct

Correct! Inferential data analysis makes predictions about extensive data using a sample data from the original data set.

6.

Question 6

Which of the following data analysis techniques are used in data mining? Select all that apply.

1 / 1 point

Outlier detection

Correct

Correct! In data mining, Outlier detection is used to uncover unusual data within a data set.

Classification analysis

Correct

Correct! In data mining, Classification analysis assigns data items into categories or classes.

Clustering analysis

Correct

Correct! In data mining, Clustering analysis looks for similarities within a set of data. If it finds similarities, then it separates related data into clusters of subsets based on their common characteristics.

Association rule

Correct

Correct! In data mining, the Association rule identifies the relationships between data elements to determine whether there is a correlation between data.

7.

Question 7

True or false: A line graph is used to display quantitative values over a continuous interval or period, which is very useful for highlighting trends in data.

1 / 1 point

True

False

Correct

Correct! A line graph highlights trends in data.

8.

Question 8

The advanced analytics tools can help a business to become a \_\_\_\_\_\_\_\_\_\_ driven business, which supports building business strategies and planning business activities based on insights supported by data.

1 / 1 point

data

Correct

Correct! Using advanced analytics tools makes it easier to develop a data-driven business.

9.

Question 9

Which terms describe filtering data based on numeric values? Select all that apply.

1 / 1 point

Quantitative data filtering

Correct

Correct! Quantitative data filtering is used to extract data based on numeric values.

Qualitative data filtering

Dimension data filtering

Measure data filtering

Correct

Correct! Measure data filtering is used to extract data based on numeric values.

10.

Question 10

True or false: In data analytics, dimension fields typically hold categorical quantitative types of data.

1 / 1 point

True

False

Correct

Correct! Dimension fields typically hold categorical qualitative (not quantitative) types of data.