1.Select the correct statement.   1 / 1 point

○ The first stage of the data science methodology is Data Collection.

○ The first stage of the data science methodology is Data Understanding.

◉ The first stage of the data science methodology is Business Understanding.

○ The first stage of the data science methodology is Modeling.

✓Correct
  Correct! Review the Data Collection video.

2.What important stage in the data science methodology process clearly defines the problem and the needs from a   1 / 1 point
  business perspective?

○ Modeling

○ Data Understanding

◉ Business Understanding

○ Data Collection

✓Correct
  Correct! The Business Understanding stage is the stage where data scientists clearly define the problem and the
  needs from a business perspective.

3.Fill in the blank: During the Data Collection stage, data scientists can apply _____ to the data set to   1 / 1 point
  assess the data content and quality and gain initial data insights.

◉ Descriptive statistics and visualization techniques

○ Predictive statistics

○ Data modeling techniques

○ Stakeholder feedback

✓Correct
  Correct! During the Data Collection stage, data scientists can apply descriptive statistics and visualization
  techniques to the data set to assess the data content and quality and gain initial insights about the data.

4.Select the correct statement.   1 / 1 point

◉ A training set is used for predictive modeling

○ A training set is used for descriptive modeling

○ A training set is used for data visualization.

○ A training set is used for statistical analysis.

✓Correct
  Correct! A training set is used for predictive modeling.

5.Fill in the blank. A _____ is a Type II error.   1 / 1 point

○ False-alarm error

○ Hypothesis error

○ False-positive error

◉ False-negative error

✓Correct
  Correct! A false negative is a Type II error.

6.At what stage would you correct invalid values and address outliers?   1 / 1 point

○ The Data Understanding stage

◉ The Data Preparation stage

○ The Data Requirements stage

○ The Modeling stage

7.The final stages of the data science methodology are an iterative cycle between Modeling, Evaluation, Deployment, and _____.   1 / 1 point

○ Data Understanding

○ Data Preparation

◉ Feedback

○ Analytics

8.Data science methodology provides the data scientist with a framework on how to proceed to do what tasks?   1 / 1 point

○ Obtain statistical techniques.

○ Obtain data storage

○ Obtain data

◉ Obtain answers to business questions.

9.Fill in the blank. Data science methodology is a specific strategy that guides processes and activities related to _____.   1 / 1 point

○ Strict data procurement practices

◉ Answering the business question

○ Specifying stakeholders

○ Creating a data model using only one iteration.

10.What is the significance of storytelling in the field of data analysis?   1 / 1 point

○ Storytelling helps data scientists develop better datasets.

○ Storytelling is a useful skill for data scientists but not critical.

○ Storytelling is primarily used to entertain audiences during presentations.

◉ Storytelling is necessary to convey complex data insights effectively.