

Question 1

Select the correct statement. 1 / 1 point

The first stage of the data science methodology is Modeling.

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

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

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

Correct

Correct! Review the Data Collection video.

Question 2

Select the answer that describes why Business Understanding is an important stage in the data science methodology. 1 / 1 point

This stage ensures that the work generates all possible solutions.

This stage generates the data that will be used in the study.

The analytical approach you want to use determines which tasks happen during this stage.

This stage clearly defines the problem and the needs from a business perspective.

Correct

Correct! During the Business Understanding stage, data scientists take actions to determine what business problem the company or organization needs to solve.

Question 3

During which stage can data scientists apply descriptive statistics and visualization techniques to the data set to assess the content, quality, and initial insights about the data? 1 / 1 point

The Data Analysis stage

The Business Analysis stage

The Data Collection stage

The Data Requirements stage

Correct

Correct!

Question 4

Fill in the blank. Data scientists use training sets for \_\_\_\_\_. 1 / 1 point

Predictive modeling

Descriptive modeling

Statistical analysis

Data Visualization

Correct

Correct! Data scientists use training sets for predictive modeling.

Question 5

Fill in the blank. A \_\_\_\_\_ is a Type I error. 1 / 1 point

False-positive error

Hypothesis error Review the Modeling - Case study video.

False-alarm error

False-negative error

Correct

Correct! A false positive is a Type I error.

Question 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

Correct

Correct! You would correct invalid values and address outliers during the Data Preparation stage.

Question 7

The final stages of the data science methodology are an iterative cycle between which of the different stages? 1 / 1 point

Modelling, Data Preparation, Deployment, and Feedback

Data Understanding, Data Preparation, Evaluation, and Modelling

Modelling, Evaluation, Deployment, and Feedback

Modelling, Evaluation, Data Understanding, Data Preparation, and Deployment

Correct

Correct! After obtaining responses from users of the model during the Feedback stage, data scientists refine and redeploy the model

Question 8

Select the correct sentence about the data science methodology as explained in the course. 1 / 1 point

Data science methodology depends on specific technologies or tools.

Data science methodology always starts with Business Understanding.

The data science methodology requires going through all of the stages successively before going through the stages again. Review the Data Science Methodology Overview video.

Data science methodology provides data scientists with a framework for answering to management.

Correct

Correct! Review the Data Science Methodology Overview video.

Question 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.

Correct

Correct. Data science methodology is a specific strategy that guides processes and activities related to answering the business question.

Question 10

What role does storytelling play? 1 / 1 point

Storytelling is an optional skill with minimal impact.

Storytelling assists data analysts in data collection.

Storytelling enhances visualization techniques.

Storytelling is vital for effectively communicating data insights.

Correct

Correct! Storytelling is vital for effectively communicating data insights.