✓ **Congratulations! You passed!**

Grade
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higher

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1. Select the correct statement.

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

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

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

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

   ✓ **Correct**

   1 / 1 point

2. Business Understanding is an important stage in the data science methodology because;

   ◉ It clearly defines the problem and the needs from a business perspective.

   ○ It is determined by the analytical approach you want to use.

   ○ It generates the data that will be used in the study.

   ○ It ensures that the work generates all possible solutions.

   ✓ **Correct**

   1 / 1 point

3. According to the videos, you can think of the _____ and _____ stages as a cooking task, where the problem at hand is a recipe, and the data to answer the question is the ingredients.

   ◉ Data Requirements; Data Collection

   ○ Business Requirements; Presentation Requirements

   ○ Analytics; Business Requirements

   ○ Data Analysis; Presentation Requirements

   ✓ **Correct**

   1 / 1 point

4. In what stage can techniques such as descriptive statistics and visualization applied to the data set, to assess the content, quality, and initial insights about the data?

   ○ The Data Analysis stage

   ◉ The Data Collection stage

   ○ The Data Requirements stage

   ○ The Business Analysis stage

   ✓ **Correct**

   1 / 1 point

5. A _____ is used for predictive modeling.

   ◉ Training set

   ○ Modeling set

   ○ Technique set

   ○ Analysis set

   ✓ **Correct**

   1 / 1 point

6. A false-negative is what type of error?

   ○ Type III error

   ○ Type II error

   0 / 1 point

○ Type L error

⊙ Type I error

⊗ **Incorrect**

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7. The Data Understanding stage refers to the stage of removing redundant data.

`1 / 1 point`

○ True

⊙ False

✓ **Correct**

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8. In what stage would you correct invalid values and address outliers?

`1 / 1 point`

○ The Modeling stage

⊙ The Data Preparation stage

○ The Data Requirements stage

○ The Data Understanding stage

✓ **Correct**

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9. The final stages of the data science methodology are an iterative cycle between which of the different stages?

`1 / 1 point`

○ Data Understanding, Data Preparation, Evaluation, and Modelling.

⊙ Modelling, Evaluation, Deployment, and Feedback.

○ Modelling, Data Preparation, Deployment, and Feedback.

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

✓ **Correct**

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10. Deploying a model into production represents the beginning of an iterative process from Feedback, then Model Refinement, and to what?

`1 / 1 point`

⊙ Redeployment

○ Data storage

○ Scalability

○ None of the above

✓ **Correct**

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11. Select the correct sentence about the data science methodology as explained in the course.

`1 / 1 point`

○ The data science methodology does not depend on a specific set of technologies or tools.

○ The data science methodology always starts with Business Understanding.

○ The data science methodology is an iterative process.

⊙ All of the above

✓ **Correct**

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12. Support vector machines and neural networks are what type of algorithms?

`1 / 1 point`

⊙ Classification

○ Regression

○ Extraction

○ Clustering

✓ **Correct**