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Final Exam

Graded Quiz • 36 min

Due Aug 23, 12:29 PM +0530

Final Exam

Latest Submission Grade 83.33%

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

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2. _____ is an important stage in the data science methodology because it clearly defines the problem and the needs from a business perspective.

1 / 1 point

- ☐ Data Understanding
- ☐ Modeling
- ☐ Data Collection
- ☒ Business Understanding

**Correct**

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.

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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.

1 / 1 point

- ☐ Data Analysis; Presentation Requirements
- ☒ Data Requirements; Data Collection
- ☐ Analytics; Business Requirements
- ☐ Business Requirements; Presentation Requirements

Correct

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

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Correct

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

1 / 1 point☒ True☐ False **Correct**

5. A training set is used for what?

0 / 1 point☐ Statistical analysis

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**Correct**

5. A training set is used for what?

0 / 1 point

- ☐ Statistical analysis
- ☒ Descriptive modeling
- ☐ Predictive modeling
- ☐ Data Visualization

**Incorrect**

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

1 / 1 point

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

1 / 1 point☐ Type III error☒ Type II error☐ Type L error☐ Type I error**Correct**

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

1 / 1 point☐ True

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

1 / 1 point☐ True☒ False **Correct**

8. The Data Preparation stage involves what?

1 / 1 point☐ Addressing missing values.☐ Correcting invalid values and addressing outliers.

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8. The Data Preparation stage involves what?

1 / 1 point

- ☐ Addressing missing values.
- ☐ Correcting invalid values and addressing outliers.
- ☐ Removing duplicate data.
- ☐ Formatting the data.
- ☒ All of the above

✓ Correct

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

0 / 1 point

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☐ Formatting the data.

☒ All of the above

Correct

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

0 / 1 point

☐ Modelling, Evaluation, Deployment, and Feedback.

☐ Modelling, Data Preparation, Deployment, and Feedback.

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

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

Incorrect

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- ☐ Modelling, Evaluation, Data Understanding, Data Preparation, and Deployment.

 **Incorrect**

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

1 / 1 point

- ☐ Scalability
- ☐ Data Storage
- ☒ Feedback
- ☐ None of the above

 **Correct**

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11. The data science methodology provides the data scientist with a framework on how to proceed to do what?

1 / 1 point☐ Obtain data storage☐ None of the above☐ Obtain data☒ Obtain answers**Correct**

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

1 / 1 point

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☒ Obtain answers **Correct**

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

1 / 1 point

- ☐ Extraction
- ☐ Clustering
- ☒ Classification
- ☐ Regression

Correct