

✔ Congratulations! You passed!

Grade received 100% To pass 80% or higher

[Go to next item](#)

## Final Exam

Latest Submission Grade 100%

1. The first state of the \_\_\_\_\_ is Business Understanding.

1 / 1 point

- ☒ Data science methodology
- ☐ Data analysis methodology
- ☐ Data collection methodology
- ☐ Computer modeling methodology

✔ Correct

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

- ☐ Modeling
- ☐ Data Collection
- ☐ Data Understanding
- ☒ 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.

1 / 1 point

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

 Correct

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?

1 / 1 point

- ☐ The Data Requirements stage
- ☐ The Business Analysis stage
- ☐ The Data Analysis stage
- ☒ The Data Collection stage

 Correct

5. A training set is used for what?

1 / 1 point

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

 Correct

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

1 / 1 point

- ☐ Type I error
- ☐ Type III error
- ☒ Type II error
- ☐ Type I error

✓ Correct

7. The Data Understanding stage encompasses \_\_\_\_\_.

1 / 1 point

- ☒ All activities related to constructing the dataset.
- ☐ Transforming data.
- ☐ Sorting the data.
- ☐ Removing redundant data.

✓ Correct

8. Select the correct statement about the Data Preparation stage.

1 / 1 point

- ☐ The Data Preparation stage involves addressing missing values.
- ☐ The Data Preparation stage involves correcting invalid values and addressing outliers.
- ☐ The Data Preparation stage involves removing duplicate data.
- ☐ The Data Preparation stage involves properly formatting the data.
- ☒ All of the above statements are correct.

✓ Correct

9. 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
- ☐ None of the above.

✓ Correct

10. Deploying a model into production represents the end of the iterative process that includes Feedback, Model Refinement, and Redeployment.

1 / 1 point

- ☐ True.
- ☒ False

✓ Correct

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
- ☐ Obtain data
- ☒ Obtain answers
- ☐ None of the above

✓ Correct

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

1 / 1 point

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

✓ Correct