

✓ Congratulations! You passed!

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1. The first state of the data science methodology is \_\_\_\_\_.

1 / 1 point

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

✓ Correct

2. Business Understanding is the least important stage in the data science methodology because none of the other stages depend on it.

1 / 1 point

- ☐ True.
- ☒ False

✓ Correct

3. Which of the following analogies is used in the videos to explain the Data Requirements and Data Collection stages of the data science methodology?

1 / 1 point

- ☐ You can think of the Data Requirements and Data Collection stages as building an outpatient clinic for patients with congestive heart failure, where the medical condition is the data and the patients are the ingredients.
- ☒ You can think of the Data Requirements and Data Collection stages as a cooking task, where the problem at hand is a recipe, and the data to answer the question is the Ingredients.

✓ Correct

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

1 / 1 point

- ☒ Descriptive statistics
- ☐ The unsupervised method
- ☐ Data manipulation
- ☐ The supervised method

✓ Correct

5. A \_\_\_\_\_ is used for predictive modeling.

1 / 1 point

- ☐ Analysis set
- ☐ Modeling set
- ☐ Technique set
- ☒ Training set

✓ Correct

6. A statistician calls a false-negative, a type I error, and a false-positive, a type II error.

1 / 1 point

- ☐ True
- ☒ False

✓ Correct

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

1 / 1 point

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

✓ Correct

8. In what stage would you properly format the data?

1 / 1 point

- ☐ The Modeling stage
- ☐ The Data Understanding stage
- ☒ The Data Preparation stage
- ☐ The Data Requirements stage

✓ Correct

9. Which of the following is NOT one of the final stages of the data science methodology?

1 / 1 point

- ☒ Data Preparation
- ☐ Deployment
- ☐ Evaluation
- ☐ Feedback

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

✓ Correct

12. What do data scientists typically use for exploratory analysis of data and to get acquainted with it?

1 / 1 point

- ☐ They use deep learning.
- ☐ They begin with regression, classification, or clustering.
- ☒ They use descriptive statistics and data visualization techniques.
- ☐ They use support vector machines and neural networks as feature extraction techniques.

✓ Correct