

# Course 3: Data Science Methodology

## Week 1

### Quiz 1: From Problem to Approach

**1.**

Question 1

Select the correct statement.

**1 / 1 point**

☐

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.

☐

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

**Correct**

**2.**

Question 2

The main purpose of the analytic approach is identifying what type of patterns will be needed to address the posed question most effectively.

**1 / 1 point**

☒

True

☐

False

**Correct**

**3.**

Question 3

Which machine learning algorithm was implement in the case study discussed in the videos?

**1 / 1 point**

☐

$k$ -Nearest Neighbor.

☐

Logistic Regression.

☐

Support Vector Machines.

☒

Decision Tree Classification.

**Correct**

## Quiz 2: From Requirements to Collection

1.

Question 1

The Data Requirements stage of the data science methodology involves identifying the necessary data content, formats and sources for initial data collection.

1 / 1 point



True



False

**Correct**

Correct.

2.

Question 2

Which of the following statements are correct?

1 / 1 point



Data scientists determine how to collect the data.

**Correct**

Correct.



Data scientists identify the data that is required for data modeling.

**Correct**

Correct.



Data scientists determine how to prepare the data.

**Correct**

Correct.



None of the above.

3.

Question 3

In the Data Collection stage, the data requirements are revised and decisions are made as to whether or not more data is needed.

1 / 1 point



True



False

**Correct**

Correct.