**From Problem to Approach**

**LATEST SUBMISSION GRADE**

80%

1.

Question 1

Select the correct statement.

**0 / 1 point**



The data science methodology described in this course is only used by certified data scientists.



None of the above statements are correct.



The data science methodology described in this course is limited to IBM.



The data science methodology described in this course is outlined by John Rollins from IBM.

**Incorrect**

Incorrect.

2.

Question 2

Select the correct statement.

**1 / 1 point**



The first stage of the data science methodology is Modeling.



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.

**Correct**

Correct.

3.

Question 3

Business Understanding is an important stage in the data science methodology. Why?

**1 / 1 point**



Because it is determined by the analytical approach you want to use.



Because it ensures that the work generates all possible  solutions.



Because it clearly defines the problem and the needs from a business perspective.



Because it generates the data that will be used in the study.

**Correct**

Business understanding allows you to gain clarity about the question being asked, and why it is being asked. Having a clear question is vital, because it determines which analytic approach is needed to address the question.

4.

Question 4

Which of the following statements about the analytic approach are correct?

**1 / 1 point**



If the question defined in the business understanding stage can be answered by determining probabilities of an action, then a predictive model would be the right analytic approach.

**Correct**

Correct. A predictive model is the right approach.



If the question defined in the business understanding deals with exploring relationships between different factors, then a predictive model would be the right analytic approach.



If the question defined in the business understanding deals with exploring relationships between different factors, then a classification approach would be the right analytic method.



If the question defined in the business understanding deals with exploring relationships between different factors, then a descriptive approach, where clusters of similar activities based on events and preferences are examined, would be the right analytic method.

**Correct**

Correct. A descriptive model is the right approach.

5.

Question 5

For the case study, a decision tree classification model was used to identify the combination of conditions leading to each patient's outcome.

**1 / 1 point**



True



False

**Correct**

Correct.