From Problem to Approach

LATEST SUBMISSION GRADE

100%

1. Select the correct statement. 1 / 1 point

- ○ A methodology is a set of instructions.
- ○ A methodology is an application for a computer program.
- ◉ A methodology is a system of methods used in a particular area of study or activity.
- ○ All of the above statements are correct.

✓ **Correct**
Correct.

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 Business Understanding.
- ○ The first stage of the data science methodology is Data Collection.
- ○ The first stage of the data science methodology is Data Understanding.

✓ **Correct**
Correct.

3. 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**
Correct. It is in fact the most important stage because it shapes the rest of the methodological steps.

4. Which of the following statements about the analytic approach are correct? 1 / 1 point

- ☐ 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 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.

- ☐ 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 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.

5. Which machine learning algorithm was implement in the case study discussed in the videos? 1 / 1 point

- ○ *k*-Nearest Neighbor.
- ○ Support Vector Machines.
- ○ Logistic Regression.
- ◉ Decision Tree Classification.

✓ **Correct**
Correct.