

1. 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
Correct.

2. 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.

3. 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.

4. 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.

-
5. In the Data Collection stage, techniques such as descriptive statistics and visualization can be applied to the data set, to assess the content, quality, and initial insights about the data

1 / 1 point

- ☒ True
- ☐ False

✓ Correct
Correct.
