



### Your grade: 100%

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1. In the case study, during the Data Understanding stage, data scientists discovered that not all the expected congestive heart failure admissions were being captured. What action did they take to resolve the issue? 1 / 1 point

- The data scientists looped back to the Data Collection stage, adding secondary and tertiary diagnoses, and built a more comprehensive definition of congestive heart failure admission
- The data scientists did not need to do anything. In this case, expectations for the data were incorrect
- The data scientists looped back to the Business Understanding stage to redefine the requirements
- The data scientists added the missing data manually

**Correct**

Correct! Building a data set is an iterative process. The methods for defining and collecting the data can be refined until all the required information is accurately captured, even if that means looping back to a previous stage in the model.

2. In the case study, while working through the Data Preparation stage, data scientists learned that the initial definition did not capture all expected congestive heart failure admissions. 1 / 1 point

- True
- False

**Correct**

Correct! It was working through the **Data Understanding** staging that the initial definition needed to be completed.

3. Select the correct statement about the Data Preparation stage of the data science methodology. 1 / 1 point

- Data scientists only use feature engineering when manually preparing the data
- The Data Preparation stage involves handling missing and improperly coded data and can include using text analysis to structure unstructured or semi-structured text data
- The Data Preparation stage cannot be accelerated using automation
- The Data Preparation stage is typically the least time-consuming methodological step

**Correct**

Correct! The Data Preparation stage involves handling missing and improperly coded data and can include using text analysis to structure unstructured or semi-structured text data.