

## \*Weekly challenge 3\*

LATEST SUBMISSION GRADE

93.75%

### Question 1

In which stage of the data life cycle does a business decide what kind of data it needs, how the data will be managed, and who will be responsible for it?



Analyze



Manage



Capture



Plan

### Correct

During planning, a business decides what kind of data it needs, how it will be managed throughout its life cycle, who will be responsible for it, and the optimal outcomes.

### Question 2

The destroy stage of the data life cycle might involve which of the following actions? Select all that apply.

0.5 / 1 point



Using data-erasure software

### Correct

The destroy phase of the data life cycle might involve shredding paper files or using data-erasure software.



Storing data for future use

**This should not be selected**

Review [the video on the data life cycle](#) for a refresher.

☐

Shredding paper files

☐

Uploading data to the cloud

**Question 3**

A data analyst uses a spreadsheet function to aggregate data. Then, they add a pivot table to show totals from least to greatest. This would happen during which stage of the data life cycle?

☐

Analyze

☐

Capture

☐

Plan

☐

Manage

**Correct**

The analyze stage is when data is used to make good decisions, and a spreadsheet is a very useful tool for supporting that objective.

**Question 4**

Describe how the data life cycle differs from data analysis.

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The data life cycle deals with the stages that data goes through during its useful life; data analysis is the process of analyzing data.

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The data life cycle deals with identifying the best data to solve a problem; data analysis is about asking effective questions.



The data life cycle deals with transforming and verifying data; data analysis is using the insights gained from the data.



The data life cycle deals with making informed decisions; data analysis is using tools to transform data.

**Correct**

The data life cycle involves stages for identifying needs and managing data. Data analysis involves process steps to make meaning from data.

**Question 5**

What actions might a data analytics team take in the act phase of the data analysis process? Select all that apply.



**Finalizing a strategy based on the analysis**

**Correct**

During the act phase, a data analytics team might validate insights, finalize a strategy, and put a plan into action.



**Sharing analysis results using data visualizations**



**Validating insights provided by analysts**

**Correct**

During the act phase, a data analytics team might validate insights, finalize a strategy, and put a plan into action.



**Putting a plan into action to help solve the business problem**

**Correct**

During the act phase, a data analytics team might validate insights, finalize a strategy, and put a plan into action.

### Question 6

Fill in the blank: A formula is a set of instructions used to perform a specified calculation; whereas a function is \_\_\_\_\_.

☐

a question written by the user

☐

a computer programming language

☐

a particular value

☒

**a predefined operation**

### Correct

A formula is a set of instructions used to perform a specified calculation; a function is a preset command that automatically performs a specified process.

### Question 7

Fill in the blank: To request, retrieve, and update information in a database, data analysts use a \_\_\_\_\_.

☐

formula

☐

dashboard

☒

**query**

☐

calculation

### Correct

A query enables data analysts to request, retrieve, and update information from a database.

**Question 8**

Fill in the blank: Structured query language (SQL) enables data analysts to \_\_\_\_\_ the information in a database. Select all that apply.

☐

visualize

☐

retrieve

**Correct**

A query enables data analysts to request, retrieve, and update information from a database.

☐

request

**Correct**

A query enables data analysts to request, retrieve, and update information from a database.

☐

update

**Correct**

A query enables data analysts to request, retrieve, and update information from a d