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Grade received 100% To pass 80% or higher

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Weekly challenge 3

Latest Submission Grade 100%

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?

1 / 1 point

- ☒ Plan
- ☐ Manage
- ☐ Capture
- ☐ Analyze

✔ 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.

2. A data analyst has finished an analysis project that involved private company data. They erase the digital files in order to keep the information secure. This describes which stage of the data life cycle?

1 / 1 point

- ☐ Archive
- ☐ Manage
- ☒ Destroy
- ☐ Plan

✔ Correct

This describes the destroy phase, during which data analysts use secure data-erasure software and shred paper files to protect private information.

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?

1 / 1 point

- ☐ Manage
- ☐ Plan
- ☒ Analyze
- ☐ Capture

✔ 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.

4. Fill in the blank: The data life cycle has six stages, whereas data analysis has six ____.

1 / 1 point

- ☐ data analytics tools
- ☒ process steps
- ☐ key questions
- ☐ data types

✔ Correct

Although both the data life cycle and the data analysis process have six elements, the life cycle involves stages and analysis involves process steps.

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

1 / 1 point

- ☒ 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.

- ☒ 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.

☐ 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.

6. Fill in the blank: A function is a predefined operation, whereas a formula is ____.

1 / 1 point

☐ a predefined statement

☒ a set of instructions used to perform a specified calculation

☐ a computer programming language

☐ a particular value

 **Correct**

A function is a predefined operation, whereas a formula is a set of instructions used to perform a specified calculation.

7. Data analysts use queries to request, retrieve, and update information within a database.

1 / 1 point

☒ True

☐ False

 **Correct**

Data analysts use queries to request, retrieve, and update information within a database.

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

1 / 1 point

☒ update

 **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.

☐ visualize

☒ retrieve

 **Correct**

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