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Grade received 100% To pass 80% or higher

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Weekly challenge 1

Latest Submission Grade 100%

1. Which of the following options describes data analysis?

1 / 1 point

- ☐ Creating new ways of modeling and understanding the unknown by using raw data
- ☐ Using facts to guide business strategy
- ☐ The various elements that interact with one another in order to provide, manage, store, organize, analyze, and share data
- ☒ The collection, transformation, and organization of data in order to draw conclusions, make predictions, and drive informed decision-making

✓ **Correct**

Data analysis is the collection, transformation, and organization of data in order to draw conclusions, make predictions, and drive informed decision-making.

2. In data analytics, what term describes a collection of elements that interact with one another?

1 / 1 point

- ☐ The cloud environment
- ☐ A modeling system
- ☐ A database
- ☒ A data ecosystem

✓ **Correct**

Data ecosystems are made up of elements that interact to produce, manage, store, organize, analyze, and share data.

3. Fill in the blank: The primary goal of a data ____ is to find answers to existing questions by creating insights from data sources.

1 / 1 point

- ☒ analyst
- ☐ scientist
- ☐ designer
- ☐ engineer

✓ **Correct**

The primary goal of a data analyst is to find answers to existing questions by creating insights from data sources.

4. Select the best description of gut instinct.

1 / 1 point

- ☐ Manipulating data to match your intuition
- ☐ Using your innate ability to analyze results
- ☐ Choosing facts that complement your personal experiences
- ☒ An intuitive understanding of something with little or no explanation

✓ **Correct**

Gut instinct is an intuitive understanding of something with little or no explanation.

5. A furniture manufacturer wants to find a more environmentally friendly way to make its products. A data analyst helps solve this problem by gathering relevant data, analyzing it, and using it to draw conclusions. The analyst then shares their analysis with subject-matter experts from the manufacturing team, who validate the findings. Finally, a plan is put into action. This scenario describes data science.

1 / 1 point

- ☐ True
- ☒ False

✓ **Correct**

This company has put data at the heart of its business strategy in order to achieve data-driven decision-making.

6. What do subject-matter experts do to support data-driven decision-making? Select all that apply.

1 / 1 point

- ☒ Review the results of data analysis and identify any inconsistencies

✓ **Correct**

Subject-matter experts can offer insights into the business problem, identify inconsistencies in the analysis, and validate the choices being made.

- ☒ Offer insights into the business problem

✓ **Correct**

Subject-matter experts can offer insights into the business problem, identify inconsistencies in the analysis, and validate the choices being made.

- ☒ Validate the choices made as a result of the data insights

✓ **Correct**

Subject-matter experts can offer insights into the business problem, identify inconsistencies in the analysis, and validate the choices being made.

- ☐ Collect, transform, and organize data

7. You have just finished analyzing data for a marketing project. Before moving forward, you share your results with members of the marketing team to see if they might have additional insights into the business problem. What practice does this support?

1 / 1 point

- ☒ Data-driven decision-making
- ☐ Data management
- ☐ Data analytics
- ☐ Data science

✓ **Correct**

Including insights from people who are familiar with the business problem is an example of data-driven decision-making. Data-driven decision-making is using facts to guide business strategy.

8. You read an interesting article in a magazine and want to share it in the discussion forum. What should you do when posting? Select all that apply.

1 / 1 point

- ☒ Make sure the article is relevant to data analytics.

✓ **Correct**

Posts should be relevant to data analytics and checked for typos and grammatical errors.

- ☒ Check your post for typos or grammatical errors.

✓ **Correct**

Posts should be relevant to data analytics and checked for typos and grammatical errors.

- ☐ Take credit for creating the article.

- ☐ Include your email address for people to send questions or comments.