Congratulations! You passed!

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1. Data analysis is the various elements that interact with one another in order to provide, manage, store, organize, analyze, and share data. **1 / 1 point**

- ○ True
- ◉ False

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**

- ○ A database
- ○ A modeling system
- ◉ A data ecosystem
- ○ The cloud environment

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

3. Fill in the blank: Data _____ involves creating new ways of modeling and understanding the unknown by using raw data. **1 / 1 point**

- ○ design
- ◉ science
- ○ analysis
- ○ engineering

Correct
Data science involves creating new ways of modeling and understanding the unknown by using raw data.

4. Select the best description of gut instinct. **1 / 1 point**

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

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

- [x] 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.

- [x] 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.

- [x] 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. Sharing the results of your analysis with colleagues who are very familiar with the business problem supports what practice? 1 / 1 point

- ( ) Data science
- ( ) Data analytics
- ( ) Data management
- (•) Data-driven decision-making

  Correct
  Sharing the results of your analysis with 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

- [x] Check your post for typos or grammatical errors.

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

- [ ] Include your email address for people to send questions or comments.
- [ ] Take credit for creating the article.
- [x] Make sure the article is relevant to data analytics.

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