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1. Fill in the blank: To gain insights, businesses rely on _____ to acquire, organize, and interpret the data that informs internal projects and processes. 1 / 1 point

- ☐ information technology professionals
☒ data professionals
☐ clients
☐ stakeholders

☒ Correct

2. Fill in the blank: Machine learning differs from automation in that it enables users to express how to perform a task by using _____ instead of explicit instructions. 1 / 1 point

- ☐ sampling
☐ schemas
☐ mapping
☒ data

☒ Correct

3. A company evaluates its data using metrics in order to achieve what goals? Select all that apply. 1 / 1 point

☒ To inform best practices

☒ Correct

☒ To identify trends

☒ Correct

☐ To generate more data

☒ To create predictive models

☒ Correct

4. What are some key advantages of the Python programming language? Select all that apply.

0.5 / 1 point

☒ It has an enormous online community and other helpful resources.

☒ Correct

☐ It is one of the easiest programming languages to write.

☒ It is very flexible.

☒ Correct

☒ It was created within the data community.

☐ This should not be selected
Review [the video about the data professional's toolbox](#).[↗]

5. What is the Jupyter Notebook?

1 / 1 point

- ☐ A file containing a chronologically ordered list of modifications made to a project
- ☒ A web-based computing platform for running code in real time
- ☐ A range of values that conveys how likely it is that a statistical estimate reflects the population
- ☐ A computer programming language used to communicate with a database

☒ Correct

6. A data professional uses Tableau to create data visualizations that will help people understand their analysis results. They communicate the data insights using the visualizations, which helps non-technical stakeholders gain important insights. Which of the following communication practices does this scenario describe? Select all that apply.

1 / 1 point

☒ Simplifying data using a graphical interface

☒ Correct

☐ Creating a statistical model with code

☒ Enriching data stories with visual elements

☒ Correct

☒ Sharing complex data

☒ Correct

7. Fill in the blank: _____ is a way of distributing computational tasks over a bunch of nearby processors that is good for speed and resilience and does not depend on a single source of computational power.

1 / 1 point

- ☐ Virtual reality
- ☒ Edge computing
- ☐ Artificial intelligence
- ☐ Quantum computing

☒ Correct