Congratulations! You passed!
Grade received 93.75%
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1. Fill in the blank: The exploratory data analysis process is_____, which means data professionals often work through the six practices multiple times.

1 / 1 point

- ● iterative
- ○ immutable
- ○ transitory
- ○ supplementary

✓ Correct

2. A data professional works in the research and development department of a high-tech firm. They receive a dataset that will be used when creating next year's products. They review the data and consider key questions about it. Which exploratory data analysis process does this scenario describe?

1 / 1 point

- ○ Validating
- ● Discovering
- ○ Cleaning
- ○ Joining

✓ Correct

3. What processes do data professionals perform during the structuring exploratory data analysis step? Select all that apply.

0.5 / 1 point

- ☐ Categorize data into categories representing the dataset
- ☑ Transform raw data.

✓ Correct

- ☑ Create data visualizations

✗ This should not be selected
Review the video about exploratory data analysis.

- ☑ Organize raw data

✓ Correct

4. Which of the following statements correctly compare data cleaning to data validation during exploratory data analysis? Select all that apply.

1 / 1 point

☑ When cleaning, a data professional looks for missing values, duplicate entries, and extreme outliers. When validating, a data professional uses digital tools to confirm the data types within a dataset.

✓ Correct

☐ Data cleaning involves eliminating any misspellings in the data. Validating does not.

☐ Validating is the process of removing any errors in the data. Cleaning is the process of confirming that the data-validation process did not introduce any errors.

☑ Cleaning involves ensuring the data is useful. Validating involves verifying the data is of high quality.

✓ Correct

5. Fill in the blank: A data professional might add more context to the data during the _____ process by adding information from other data sources.

1 / 1 point

○ cleaning

◉ joining

○ validating

○ structuring

✓ Correct

6. What may be involved with visualizing data during exploratory data analysis? Select all that apply.

1 / 1 point

☐ Asking stakeholders to hold their comments until the final official presentation

☑ Making data visualizations available to team members for further analysis or modeling

✓ Correct

☑ Considering people with visual impairments by describing the data in detail

✓ Correct

☑ Considering people with auditory impairments by providing captioned descriptions about the data

✓ Correct

7. Fill in the blank: To avoid miscommunication in the workplace, data professionals can share _____ with a working group to get early feedback.

1 / 1 point

○ raw data
◉ initial data findings
○ metadata
○ changelogs

✓ Correct

8. A data professional works on a project that uses data from a study about mental health in Europe. They consider how to use the PACE framework to perform exploratory data analysis practices effectively. Which of the following objectives will this help them achieve? Select all that apply.

1 / 1 point

☑ Maintain focus on key priorities and project purpose

✓ Correct

☑ Ensure ethical depictions of the mental health professionals represented in the study

✓ Correct

☐ Modify the data in order to meet all project deadlines

☑ Confirm that the data represents an appropriate number of European geographical regions

✓ Correct