

✔ Congratulations! You passed!

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To pass 80% or
higher

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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
☐ supplementary
☐ transitory

✔ Correct

2. A data team leader at a clothing manufacturer reviews a dataset that will be used to decide where to open new retail stores. They conceptualize how their analytics team can most effectively use the dataset. Which exploratory data analysis process does this scenario describe?

1 / 1 point

- ☐ Validating
☐ Cleaning
☒ Discovering
☐ Joining

✔ Correct

3. What are the goals of the structuring exploratory data analysis step? Select all that apply.

1 / 1 point

- ☐ Correcting misspellings or other errors
☒ Prepare data to be effectively modeled

✔ Correct

- ☒ Group data in such a way that it accurately represents the dataset as a whole

✔ Correct

- ☒ Make data easier to visualize and explain

✔ 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

- ☐ Cleaning is the process of confirming that no errors were introduced during validation.
☒ Cleaning involves ensuring the data is useful.

✔ Correct

- ☒ Validating involves verifying the data is of high quality.

✔ Correct

- ☒ Both data cleaning and data validation involve eliminating any misspellings in the data.

✔ Correct

5. Fill in the blank: A data professional discovers that their dataset does not have enough data. Therefore, they choose to add more data during the _____ process.

0 / 1 point

- ☐ joining
☐ cleaning
☒ validating
☐ structuring

✖ **Incorrect**
Review [the video about exploratory data analysis](#). [↗](#)

6. What steps may be involved with presenting data insights to others during exploratory data analysis? Select all that apply.

1 / 1 point

- ☐ Remove written descriptions to save people time when viewing the visualizations
- ☒ Ask team members or stakeholders for feedback

✔ **Correct**

- ☒ Make the visualizations available to others for further modeling

✔ **Correct**

- ☒ Share a cleaned dataset for additional analysis

✔ **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

- ☐ changelogs
- ☐ raw data
- ☐ metadata
- ☒ initial data findings

✔ **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

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

✔ **Correct**

- ☐ Modify the data in order to meet all project deadlines

- ☒ Ensure ethical depictions of the mental health professionals represented in the study

✔ **Correct**

- ☒ Maintain focus on key priorities and project purpose

✔ **Correct**