



Structure of a Data Science Project

Quiz, 4 questions

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1. What are the two stages in which a data science project might *start*? Select all that apply.

- ☐ Interpretation
- ☐ Report writing
- ☒ Defining/stating the question
- ☒ Exploratory data analysis

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2. Which part is NOT part of the data analysis process?

- ☐ Communication
- ☐ Exploratory data analysis
- ☐ Formal modeling
- ☒ Decision-making

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

- ☒ Determine if the data are suitable for the question
- ☒ Sketch an answer to your question.
- ☐ Assess the totality of the evidence regarding your question.
- ☐ Build presentations for communicating results to people outside your organization.

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4. An analyst on your team engages in exploratory data analysis of a dataset. The EDA inspires him to ask a new question about the data so he begins the data analysis process on this same dataset and goes through the 5 phases.

What is wrong with this approach? Select all that apply.

- ☐ The development of the question and the development of the answer to the question were conducted with the same dataset.
- ☒ Exploratory data analysis should never come before defining the question
- ☒ Exploratory data analysis was used to generate a new question.

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