Let's get organized

Data analysis basics

Organize data for analysis

Sort data in spreadsheets

Sort data using SQL

Weekly challenge 1

📖 **Reading:** Glossary: Terms and definitions
5 min

✅ **Quiz:** Weekly challenge 1
8 questions

✅ **Congratulations! You passed!**

Weekly challenge 1

| Grade received 87.50% | Latest Submission Grade 75% | To pass 80% or higher |

Quiz • 40 min

Review Learning Objectives

1. Fill in the blank: The _____ phase of the data analysis process includes organizing data, formatting and adjusting data, getting input from others, and transforming data by observing relationships between data points and making calculations.

0 / 1 point

○ process
○ analyze
◉ prepare
○ act

✖ **Incorrect**
Review the video on data analysis ↗ for a refresher.

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Due Jun 18, 11:59 PM +08   **Attempts** 3 every 24 hours

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To Pass 80% or higher

Your grade
87.50%

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2. During which of the four phases of analysis can you find relationships and patterns within data?

0 / 1 point

○ Transform data
○ Get input from others
○ Format and adjust data
◉ Organize data

✖ **Incorrect**
Review the video on data analysis ↗ for a refresher.

3. A data analyst examining a data set attempts to determine if there are any patterns in the data. What phase of analysis is the analyst in?

1 / 1 point

○ Format and adjust data
○ Organize data
◉ Transform data
○ Get input from others

✓ **Correct**

4. Fill in the blank: Sorting ranks data based on a specific _____ that you select.

1 / 1 point

○ model
◉ metric
○ observation
○ calculation

✓ **Correct**

5. A data analyst is sorting data in a spreadsheet. They select a specific collection of cells in order to limit the sorting to just specified cells. Which spreadsheet tool are they using?

1 / 1 point

○ Limit Range
○ Limit Sort
○ Sort Sheet
◉ Sort Range

✓ **Correct**

6. A data analyst sorts a spreadsheet range between cells D5 and M5. They sort in descending order by the third column, Column F. What is the syntax they are using?

1 / 1 point

○ =SORT(D5:M5, C, FALSE)
○ =SORT(D5:M5, C, TRUE)
○ =SORT(D5:M5, 3, TRUE)
◉ =SORT(D5:M5, 3, FALSE)

✓ **Correct**

7. You are querying a database that contains data about music. Each musical genre is given an ID number. You are only interested in data related to the genre with ID number 2. The genre IDs are listed in the *genre_id* column.

You write the following SQL query, but it is incorrect. What is wrong with the query?

SELECT *
FROM Track
WHERE composer = 2

1 / 1 point

◉ Composer should be genre_id in line 3.
○ Composer is not capitalized in line 3.
○ SELECT, FROM, and WHERE are capitalized.
○ Line 3 contains an equal sign.

✓ **Correct**

8. You write the SQL query below. However this query is incorrect. What is wrong with it?

SELECT *
FROM invoice
WHERE billing_city = "Chicago"
ORDER total

1 / 1 point

○ In line 3, "Chicago" has quotation marks.
○ SELECT, FROM, WHERE, and ORDER are capitalized.
◉ Line 4 is missing the BY between ORDER and total.
○ Line 4 is missing column = between ORDER and total.

✓ **Correct**

Go to next item