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ZUM BESTEHEN 80 % oder höher

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BEWERTUNG  
100 %

## Weekly challenge 1

NEUESTE EINREICHUNGSBEWERTUNG

100%

1. What is the goal of the analysis phase of the data analysis process?

1 / 1 Punkten

- ☐ To describe data structures
- ☒ To identify trends and relationships in data
- ☐ To generate new data
- ☐ To make generalizations about data

✓ Richtig

In the data analysis process, the goal of analysis is to identify trends and relationships within that data so you can accurately answer the question you're asking.

2. During which phase of analysis do you compare your data to external sources?

1 / 1 Punkten

- ☐ Organize data
- ☐ Format and adjust data
- ☒ Get input from others
- ☐ Transform data

✓ Richtig

Comparing your data to external sources occurs while getting input from others.

3. Which of the following actions might occur when transforming data? Select all that apply.

1 / 1 Punkten

- ☐ Eliminate irrelevant info from your data
- ☒ Make calculations based on your data

✓ Richtig

Transforming data means identifying relationships and patterns between the data, and making calculations based on the data you have.

- ☒ Identify a pattern in your data

✓ Richtig

Transforming data means identifying relationships and patterns between the data, and making calculations based on the data you have.

- ☒ Recognize relationships in your data

✓ Richtig

Transforming data means identifying relationships and patterns between the data, and making calculations based on the data you have.

4. Fill in the blank: Filtering involves showing only the data that meets a specific \_\_\_\_ while hiding the rest.

1 / 1 Punkten

- ☐ observation
- ☐ measure
- ☐ model
- ☒ criteria

✓ Richtig

Filtering involves showing only the data that meets a specific criteria while hiding the rest.

5. A data analyst is sorting data in a spreadsheet. Which tool are they using if all of the data is sorted by the ranking of a specific sorted column and data across rows is kept together?

1 / 1 Punkten

- ☐ Sort Together
- ☐ Sort Rank
- ☐ Sort Document
- ☒ Sort Sheet

✓ Richtig

Sort sheet sorts all of the data in a spreadsheet by the ranking of a specific sorted column. Also, data across rows is kept together.

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 Punkten

- ☒ =SORT(D5:M5, 3, FALSE)
- ☐ =SORT(D5:M5, 3, TRUE)
- ☐ =SORT(D5:M5, C, FALSE)

☐ =SORT(D5:M5, C, TRUE)

✓ Richtig

The correct syntax is =SORT(D5:M5, 3, FALSE). The first part of the function sorts the data in the specified range. The 3 represents the third column. And a FALSE statement sorts in descending order.

7. A data analyst is querying a database that contains data about dental equipment inventory. They are only interested in data related to cleaning products. Which of the following sections of an SQL statement would return the correct result? 1 / 1 Punkten

- ☒ WHERE product = "Cleaning"
- ☐ WHERE "Cleaning"
- ☐ ORDER BY product = "Cleaning"
- ☐ ORDER BY "Cleaning"

✓ Richtig

The correct section is WHERE Product = "Cleaning". A WHERE statement in SQL includes the name of the column, an equals sign, and the value(s) in the column to include.

8. A data analyst writes a SQL query that has the following statement: 1 / 1 Punkten

WHERE Genre = "Rock" AND Year = "1984" ORDER BY Number\_of\_plays DESC

What entries will be at the top of the query?

- ☐ The earliest released Rock songs from 1984
- ☒ The most played Rock songs from 1984
- ☐ The latest released Rock songs from 1984
- ☐ The least played Rock songs from 1984

✓ Richtig

This query returns Rock from 1984 with the greatest number of plays at the top.