✓ **Herzlichen Glückwunsch! Sie haben bestanden!**
ZUM BESTEHEN 80 % oder höher

Lernen Sie weiter

BEWERTUNG
96,87 %

Weekly challenge 1

NEUESTE EINREICHUNGSBEWERTUNG
96.87%

1. Fill in the blank: Data _____ refers to the accuracy, completeness, consistency, and trustworthiness of data throughout its life cycle. `1 / 1 Punkten`

   ◯ replication

   ⦿ integrity

   ◯ analysis

   ◯ sampling

   > ✓ **Richtig**
   > Data integrity is the accuracy, completeness, consistency, and trustworthiness of data throughout its life cycle.

2. A financial analyst copies a dataset to their computer from a storage device. As it's being copied, the connection is interrupted, which compromises the data. Which of the following processes caused the compromise? `1 / 1 Punkten`

   ⦿ Data transfer

   ◯ Data replication

   ◯ Data manipulation

   ◯ Data gathering

   > ✓ **Richtig**
   > Data transfer caused the compromise. When a data transfer is interrupted, it can result in an incomplete dataset.

3. A data analyst is given a dataset for analysis. It includes data about the total population of every country in the previous 20 years. Which of the following questions can the analyst use this dataset to address? Select all that apply. `0,75 / 1 Punkten`

   ☑ What is the reason for the population increase in Antigua and Barbados?

   > ! **Diese Antwort sollte nicht ausgewählt werden**
   > Review the dataset and the section on aligning business objectives and data for a refresher.

   ☑ What is the average population of Argentina from 2015 through 2020?

   > ✓ **Richtig**
   > The analyst can find the average population of Argentina from 2015 through 2020 and the difference in population between Aruba and The Bahamas in 2018.

   ☐ What was the effect of migration on the population of Antigua and Barbados?

   ☑ What was the difference in population between Aruba and The Bahamas in 2018?

   > ✓ **Richtig**
   > The analyst can find the average population of Argentina from 2015 through 2020 and the difference in population between Aruba and The Bahamas in 2018.

4. A data analyst is given a dataset for analysis. `1 / 1 Punkten`

   You may click the link to create a copy of the dataset: June 2014 Invoices.

   Or, if you don't have a Google account, download the template directly from the attachment below.

June 2014 Invoices - Sheet1.csv

   Rows 10 and 11 contain duplicate data.

   ◯ True

   ⦿ False

   > ✓ **Richtig**
   > Rows 10 and 11 do not contain duplicate data.

5. A data analyst at a software company wants to learn more about industry competitors. Because the software industry has more mergers than any other field, the companies and their products are constantly evolving. The analyst has a dataset from three years ago, and they notice that many of the companies and products in the dataset have changed. What makes the analyst decide that the data is insufficient, so they should generate fresh data instead? `1 / 1 Punkten`

   ◯ It is data from only one source

   ⦿ It is outdated data

   ◯ It is geographically limited data

   ◯ It is data that keeps updating

   > ✓ **Richtig**
   > This example describes outdated data, which is insufficient. If a dataset is outdated, that means the data is old and probably no longer relevant.

6. In the data analysis process, how does a sample relate to a population? **1 / 1 Punkten**

○ A sample is a duplicate selection of data that is taken from the population.

○ A sample is an ideal example taken from a population.

● A sample is a part of a population that is representative of the population.

○ A sample is an average of all the data that represents the population.

> ✓ **Richtig**
> A sample relates to a population by representing a population at a smaller scale.

7. Fill in the blank: Sampling bias in data collection happens when a sample isn't representative of _____. **1 / 1 Punkten**

○ the population most affected by the data

○ a dataset about the population

○ a subset of the population

● the population as a whole

> ✓ **Richtig**
> Sampling bias in data collection happens when a sample isn't representative of the population as a whole.

8. Which of the following processes helps ensure a close alignment of data and business objectives? **1 / 1 Punkten**

○ Transferring data multiple times

○ Having data update automatically during analysis

○ Completing data replication

● Maintaining data integrity

> ✓ **Richtig**
> Maintaining data integrity helps ensure a close alignment of data and business objectives because the data is likely to be accurate, complete, consistent, and trustworthy.