

# Congratulations! You passed!

TO PASS 80% or higher

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GRADE  
100%

## Weekly challenge 1

LATEST SUBMISSION GRADE

100%

1. Fill in the blank: If a data analyst is using data that has been \_\_\_\_\_, the data will lack integrity and the analysis will be faulty.

1 / 1 point

- ☐ public
- ☒ compromised
- ☐ clean
- ☐ wide



**Correct**

If a data analyst is using data that has been compromised, the data will lack integrity and the analysis will be faulty.

2. A healthcare company keeps copies of their data at several locations across the country. The data becomes compromised because each location creates a copy of the original at different times of day. Which of the following processes caused the compromise?

1 / 1 point

- ☐ Data gathering
- ☒ Data replication
- ☐ Data transfer
- ☐ Data manipulation



**Correct**

Data replication caused the compromise. Data replication is the process of storing data in multiple locations. If not done properly, replication can compromise integrity and cause inconsistencies.

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. Based on the available data, an analyst would be able to determine the reasons behind a certain country's population increase from 2016 to 2017.

1 / 1 point

- ☐ True
- ☒ False



**Correct**

Based on the available data, the analyst would need more data to determine the reasons behind the population increase.

4. A data analyst is given a dataset for analysis. To use the template for this dataset, click the link below and select "Use Template."

1 / 1 point

Link to template: [June 2014 Invoices](#)

OR

If you don't have a Google account, download the CSV file directly from the attachment below.

June 2014 Invoices - Sheet1.csv

Which of the following has duplicate data?

- ☐ Data for Valando on 1/1/2014
- ☐ Data for Symteco on 2/21/2014
- ☒ Data for Valando on 2/18/2014
- ☐ Data for Symteco on 5/20/2014



**Correct**

Valando on 2/18/2014 contains duplicate data because the spreadsheet contains the same data in two different rows.

5.

1 / 1 point

A data analyst at a nonprofit organization is working with a dataset about a summer fundraiser. Although they have a lot of useful data by the end of the month, they recognize that the data is insufficient. So, they decide to wait until the end of the season to begin working with the dataset. Which type of insufficient data does this example describe?

- ☐ Geographically limited data
- ☐ Outdated data
- ☐ Data from only one source
- ☒ Data that keeps updating



**Correct**

This example describes insufficient data that keeps updating. If a dataset keeps updating, that means the data is still incoming and might be incomplete.

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

1 / 1 point

- ☐ 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 an average of all the data that represents the population.
- ☒ A sample is a part of a population that is representative of the population.



**Correct**

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 point

- ☐ the population most affected by the data
- ☒ the population as a whole
- ☐ a subset of the population
- ☐ a dataset about the population



**Correct**

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

8. Sometimes during analysis, an analyst discovers that it's necessary to adjust the business objective. When this happens, the analyst should take the initiative to do so without involving others in order to be respectful of their time.

1 / 1 point

☐ True

☒ False



**Correct**

If a data analyst believes the business objective should be adjusted, it's important to first have a discussion with stakeholders.