

✔ **Congratulations! You passed!**

Grade received **100%** To pass 80% or higher

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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
- ☐ clean
- ☐ wide
- ☒ compromised

✔ **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 replication
- ☐ Data transfer
- ☐ Data gathering
- ☐ 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. Which of the following questions can the analyst use this dataset to address? Select all that apply.

1 / 1 point

- ☐ What was the reason for the population increase in a certain country?
- ☐ What was the effect of migration on the population of a certain country?

☒ What was the difference in population between two specific countries in 2018?

☒ **Correct**

The analyst could use the dataset to find the average population of a certain country from 2015 through 2020 and the difference in population between two specific countries in 2018.

☒ What was the average population of a certain country from 2015 through 2020?

☒ **Correct**

The analyst could use the dataset to find the average population of a certain country from 2015 through 2020 and the difference in population between two specific countries in 2018.

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 File

[Download file](#)

Rows 10 and 11 contain duplicate data.

☐ True

☒ False

☒ **Correct**

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 point

☐ It is geographically limited data

☐ It is data that keeps updating

☐ It is data from only one source

☒ It is outdated data

☒ **Correct**

✔ **Correct**

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 point

- ☒ A sample is a part of a population that is representative of 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 duplicate selection of data that is taken from the population.

✔ **Correct**

A sample relates to a population by representing a population at a smaller scale.

7. A restaurant gathers data about a new dish by providing free samples to parties of six or more diners. What does this scenario describe?

1 / 1 point

- ☐ Random sampling
- ☐ Geographically limited sampling
- ☐ Unbiased sampling
- ☒ Sampling bias

✔ **Correct**

This scenario describes sampling bias because parties of six or more are not 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 point

- ☐ Completing data replication
- ☐ Transferring data multiple times
- ☐ Having data update automatically during analysis
- ☒ Maintaining data integrity

✔ **Correct**

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.

