✓ **Congratulations! You passed!**
**TO PASS** 80% or higher

**Keep Learning**

GRADE
**96.87%**

# *Weekly challenge 1*

**LATEST SUBMISSION GRADE**

## 96.87%

1. A data analyst is working on an urgent traffic study. As a result of the short time frame, which type of data are they most likely to use?

**1 / 1 point**

- ○ Personal
- ○ Theoretical
- ○ Unclean
- ◉ Historical

✓ **Correct**
As a result of the short time frame, they are most likely to use historical data.

2. Which of the following are examples of discrete data? Select all that apply.

**0.75 / 1 point**

- ☑ Number of actors in movie

✓ **Correct**
The number of actors in a movie, box office returns, and the movie budget are examples of discrete data.

- ☐ Movie running time
- ☑ Box office returns

✓ **Correct**
The number of actors in a movie, box office returns, and the movie budget are examples of discrete data.

- ☐ Movie budget

You didn't select all the correct answers

3. Which of the following questions collects nominal qualitative data?

**1 / 1 point**

- ○ How many people do you usually dine with?
- ◉ Is this your first time dining at this restaurant?
- ○ How many times have you dined at this restaurant?
- ○ On a scale of 1-10, how would you rate your service today?

✓ **Correct**
"Is this your first time dining at this restaurant?" is a question that collects nominal qualitative data.

4. Which of the following is a benefit of internal data?

**1 / 1 point**

- ◉ Internal data is more reliable and easier to collect.
- ○ Internal data is the only data relevant to the problem.
- ○ Internal data is less vulnerable to biased collection.
- ○ Internal data is less likely to need cleaning.

✓ **Correct**
A benefit of internal data is that it's more reliable and easier to collect than external data.

5. Which of the following is an example of structured data?

**1 / 1 point**

- ◉ Relational database

○ Video file

○ Digital photo

○ Audio file

✓ **Correct**
A relational database is an example of structured data.

6. Fill in the blank: A Boolean data type can have _____ possible values.                                    1 / 1 point

○ infinite

○ 10

⦿ two

○ three

✓ **Correct**
A Boolean data type can have two possible values.

7. The following is a selection from a spreadsheet:                                                           1 / 1 point

| Name | Attribute | Value |
| --- | --- | --- |
| Agnes Shipton | Age | 44 |
| Agnes Shipton | Occupation | Entrepreneur |
| Henry Sing | Age | 36 |
| Henry Sing | Occupation | Editor |

What kind of data format does it contain?

⦿ Long

○ Narrow

○ Wide

○ Short

✓ **Correct**
The selection from the spreadsheet contains long data.

8. Data transformation can change the structure of the data. An example of this is taking data stored in one format and     1 / 1 point
converting it to another.

⦿ True

○ False

✓ **Correct**
Data transformation can change the structure of the data. An example of this is taking data stored in one
format and converting it to another.