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1. Prepare Data for Exploration

   >

2. Module 1

   >

3. *Weekly challenge 1*

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Data exploration
Collecting data
Differentiate between data formats and structures
Explore data types, fields, and values
Weekly challenge 1

Reading: ReadingGlossary: Terms and definitions

. Duration: 10 minutes10 min

✓

Quiz: *Weekly challenge 1*

8 questions

Weekly challenge 1

Quiz40 minutes • 40 min

Review Learning Objectives

✓

Submit your assignment

Due April 23, 11:59 PM PSTApr 23, 11:59 PM PST

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Weekly challenge 1

Graded Quiz. • 40 min

DueApr 23, 11:59 PM PST

●

Congratulations! You passed!

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1.

Question 1

Fill in the blank: A data analyst is tasked with putting together a report for stakeholders on very short notice. Because of the short time frame to complete the report, it is reasonable for the analyst to use _____ data.

1 / 1 point

○
theoretical

○
unclean

◉
historical

○
personal

✓
Correct

2.
Question 2

Which of the following is an example of discrete data?

1 / 1 point

○

○
The average length of time that employees stay at the company picnic.

◉

◼
The number of stars awarded to restaurants on a review website.

○

○
The runtime of a song.

○

○
The runtime of a movie

⊘

Correct

3.

Question 3

Nominal qualitative data has a set order or scale.

1 / 1 point

○

○
True

◉

◼
False

⊘

Correct

4.

Question 4

Why is internal data considered more reliable and easier to collect than external data?

1 / 1 point

○

○ Internal data comes from people you know.

○

○ Internal data has much larger sample sizes.

◉

◉ Internal data lives within a company's own systems.

○

○ Internal data circumvents privacy restrictions.

✓

Correct

5.

Question 5

Data that has been organized into a certain format is known as structured data in data analysis. Which of the following are examples of structured data? Select all that apply.

1 / 1 point

☐

☐ A digital file

☑

☒ A spreadsheet

✓

Correct

✓

⊠

A table

✓

Correct

☐

☐

An audio file

6.

Question 6

Which data type only allows for two possible values?

1 / 1 point

○

◌

numerical

⦿

◼

Boolean

○

◌

text

○

◌

string

✓

Correct

7.

Question 7

The following is a selection from a spreadsheet:

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?

1 / 1 point

○

○

Narrow

◉

◉

Long

○

○

Short

○

○

Wide

⊘
Correct

8.

Question 8

What is the term for changing the structure or format of data?

1 / 1 point

○

◯ Data security

○

◯ Data recording

○

◯ Data manipulation

◉

▣ Data transformation

⊘
Correct