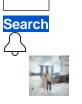coursera

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Follow the data life cycle
Outlining the data analysis process
The data analysis toolbox
Weekly challenge 3

✓

Reading: ReadingGlossary: Terms and definitions

. Duration: 10 minutes10 min

✓

Quiz: *Weekly challenge 3*

8 questions

Weekly challenge 3

Quiz40 minutes • 40 min

Review Learning Objectives

✓

Submit your assignment

Due May 7, 11:59 PM PSTMay 7, 11:59 PM PST

Attempts 3 every 24 hours

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Weekly challenge 3

Graded Quiz. • 40 min

DueMay 7, 11:59 PM PST

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1.

Question 1

The planning stage of the data life cycle is when a business decides what kind of data it needs, how the data will be handled, and who will be responsible for it.

1 / 1 point

◉
◼
True

◯
◻
False

✓
Correct

2.

Question 2

A data analyst has finished an analysis project that involved private company data. They erase the digital files in order to keep the information secure. This describes which stage of the data life cycle?

1 / 1 point

◯
◻
Archive

◯

○
Manage

◉

◉
Destroy

○

○
Plan

3.
Question 3

In the analyze phase of the data life cycle, what might a data analyst do? Select all that apply.

1 / 1 point

☑

⊠
Use a formula to perform calculations

☑

⊠
Create a report from their data

☑

⊠
Use spreadsheets to aggregate data

☐

☐

Chooses the format of their spreadsheet headings

4.

Question 4

Describe how the data life cycle differs from data analysis.

1 / 1 point

◉

◉

The data life cycle deals with the stages that data goes through during its useful life;
data analysis is the process of analyzing data.

◯

◯

The data life cycle deals with making informed decisions; data analysis is using tools to
transform data.

◯

◯

The data life cycle deals with transforming and verifying data; data analysis is using the
insights gained from the data.

◯

◯

The data life cycle deals with identifying the best data to solve a problem; data analysis
is about asking effective questions.

5.

Question 5

A business analyst recently completed a project that their company has decided to use to solve a larger business problem. What step is this in the data analysis process?

1 / 1 point

O

O
Analyze

◉

◉
Act

O

O
Share

O

O
Process

⊘
Correct

6.

Question 6

Fill in the blank: A formula is a set of instructions used to perform a specified calculation; whereas a function is _____.

1 / 1 point

O

O
a computer programming language

O

O

a question written by the user

○

○

a particular value

◉

◉

a predefined operation

✓

Correct

7.

Question 7

What does a data analyst use to request information within a database?

1 / 1 point

◉

◉

Query

○

○

Formula

○

○

Dashboard

○

○

Calculation

✓

Correct

8.

Question 8

Structured query language (SQL) enables data analysts to communicate with a database.

1 / 1 point

◉

◼
True

○

◻
False

⊘

Correct