



Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE
100%

Course challenge

LATEST SUBMISSION GRADE

100%

1. Scenario 1, questions 1-5

1 / 1 point

You've been working at a data analytics consulting company for the past six months. Your team helps restaurants use their data to better understand customer preferences and identify opportunities to become more profitable.

To do this, your team analyzes customer feedback to improve restaurant performance. You use data to help restaurants make better staffing decisions and drive customer loyalty. Your analysis can even track the number of times a customer requests a new dish or ingredient in order to revise restaurant menus.

Currently, you're working with a vegetarian sandwich restaurant called Garden. The owner wants to make food deliveries more efficient and profitable. To accomplish this goal, your team will use delivery data to better understand when orders leave Garden, when they get to the customer, and overall customer satisfaction with the orders.

Before project kickoff, you attend a discovery session with the vice president of customer experience at Garden. He shares information to help your team better understand the business and project objectives. As a follow-up, he sends you an email with datasets.

Click below to read the email:



C3 Scenario 1_Client Email .pdf
PDF File



And click below to access the datasets:

Course 3 Final Challenge Data Sets - Customer survey data (1).csv

Course 3 Final Challenge Data Sets - Delivery times_distance (1).csv

Reviewing the data enables you to describe how you will use it to achieve your client's goals. First, you notice that all of the data was collected by Garden employees using their own resources. What type of data does this describe?

- ☐ Qualitative data
- ☐ Third-party data
- ☒ First-party data
- ☐ Nominal data



Correct

This describes first-party data, which is collected by an individual or group using their own resources.

2. Scenario 1 continued

1 / 1 point

Next, you review the customer satisfaction survey data:

You may click the link to create a copy of the dataset: [Customer Satisfaction Survey data](#).

Or, if you don't have a Google account, download the dataset directly from the attachment below.

CustomerSurveyData - Customer survey data.csv

The question in column E asks, "Was your order accurate? Please respond yes or no." The responses listed in column E are an example of Boolean data.

- ☒ True
- ☐ False



Correct

A Boolean data type has only two possible values, such as yes or no.

3. Scenario 1 continued

1 / 1 point

Now, you review the data on delivery times and the distance of customers from the restaurant:

You may click the link to create a copy of the dataset: [Delivery Times/Distance](#)

Or, if you don't have a Google account, download the template directly from the attachment below.

DeliveryTimes_DistanceData - Delivery times_distance.csv

The data in column E shows the duration of deliveries from Garden to customers. What type of data is this? Select all that apply.

☐ Continuous data

☒ Discrete data

✓ Correct

This is an example of discrete data, which is counted and has a limited number of values. It is also quantitative data, which is specific and measures numerical facts.

☐ Qualitative data

☒ Quantitative data

✓ Correct

This is an example of continuous data, which can be measured, and quantitative data, which is specific and measures numerical facts.

4. Scenario 1 continued

1 / 1 point

The next thing you review is the file containing pictures of sandwich deliveries over a period of 30 days. What type of data is this?

☐ Relational

☐ Discrete

☒ Unstructured

☐ Ordinal

✓ Correct

This is unstructured data, which is not organized in an easily identifiable manner.

5. Scenario 1 continued

1 / 1 point

Now that you're familiar with the data, you want to build trust with the team at Garden. You decide to impress them by taking the initiative to reach out to your social media followers. You explain that Garden is a new client, and you show them the pictures of Garden's sandwich deliveries from the client file. Then, you ask them if they have any photos of sandwich deliveries that you can evaluate.

This is an example of going above and beyond expectations and a great way to build trust.

☐ True

☒ False

✓ Correct

Building trust involves not sharing private or sensitive client information.

6. Scenario 2, questions 6-10

1 / 1 point

You've completed this program and are interviewing for a junior data scientist position at a company called Sewati Financial Services.

Click below to review the job description:



C3 Course Challenge Junior Data Scientist Job Description .pdf



So far, you've successfully completed the first interview with a recruiter. They arrange your second interview with the team at Sewati Financial Services.

Click below to read the email from the human resources director:



Course 3 Scenario 2_Second Interview Email.pdf
PDF File



You arrive 15 minutes early for your interview. Soon, you are escorted into a conference room, where you meet Kai Harvey, the senior manager of strategy. After welcoming you, he begins the behavioral interview.

Consider and respond to the following question. Select all that apply.

Our data analytics team often surveys clients to get their feedback. If you were on the team, how would you ensure the sample is representative of the population as a whole?

☐ Only include participants who can answer survey questions in a timely manner.

☒ Include clients with disabilities in the survey sample.



Correct

Choosing participants at random, including people with disabilities, and including people of all genders help ensure a survey sample represents the population as a whole.

☒ Use a randomized sample of the population that includes all genders.



Correct

Choosing participants at random, including people with disabilities, and including people of all genders help ensure a survey sample represents the population as a whole.

☒ Make sure the sample is chosen at random.



Correct

Choosing participants at random, including people with disabilities, and including people of all genders help ensure a survey sample represents the population as a whole.

7. **Scenario 2 continued**

1 / 1 point

Consider and respond to the following question. Select all that apply.

Our data analytics team often uses external data. Where can you locate useful external data?

☒ Other financial businesses



Correct

External data can come from a variety of places. This may include other businesses, government sources, professional associations, and more.

☐ Sewati Financial Solutions marketing department

☒ Government sources



Correct

External data can come from a variety of places. This may include other businesses, government sources, professional associations, and more.

☒ A professional finance association



Correct

External data can come from a variety of places. This may include other businesses, government sources, professional associations, and more.

8. **Scenario 2 continued**

1 / 1 point

Consider and respond to the following question. Select all that apply.

Our analysts often work with the same spreadsheet, but for different purposes. How would you use sorting to help in this situation?

- ☐ Sort data to show only the data that meets a specific criteria while hiding the rest
- ☒ Sort data to make it easier to understand, analyze and visualize

✓ **Correct**

Sorting data enables data analysts on the same team to use the same dataset for different purposes.

- ☒ Sort the data to arrange data in a meaningful order

✓ **Correct**

Sorting data enables data analysts on the same team to use the same dataset for different purposes.

- ☐ Sort data to highlight the header row.

9. Scenario 2 continued

1 / 1 point

Next, your interviewer wants to better understand your knowledge of basic SQL commands. He asks: **How would you write a query that retrieves only data about people who work in Boise from the Clients table in our database?**

- ☐

```
SELECT Clients
WHERE work_location = 'Boise'
```
- ☒

```
SELECT *
FROM Clients
WHERE work_location = 'Boise'
```
- ☐

```
SELECT *
WHERE Clients = 'Boise'
```
- ☐

```
SELECT *
WHERE work_location = 'Boise'
```

✓ **Correct**

To write a query that retrieves only data about people who work in Boise from the Clients table, type `SELECT * FROM Clients WHERE work_location='Boise'`.

10. Scenario 2 continued

1 / 1 point

For your final question, your interviewer explains that Sewati Financial Services cares about data privacy. The company needs its clients' trust, and this is an important responsibility for the data analytics team.

He asks: **What does data privacy involve? Select all that apply.**

- ☒ A person's legal right to their data

✓ **Correct**

Data privacy deals with preserving a data subject's information and activity any time a data transaction occurs, a person's legal right to their data, and establishing privacy measures to protect people's data.

- ☐ Encryption and sharing permissions

- ☒ Preserving a data subject's information and activity any time a data transaction occurs

✓ **Correct**

Data privacy deals with preserving a data subject's information and activity any time a data transaction occurs,

a person's legal right to their data, and establishing privacy measures to protect people's data.

☒ Putting privacy measures in place to protect people's data

✓ **Correct**

Data privacy deals with preserving a data subject's information and activity any time a data transaction occurs, a person's legal right to their data, and establishing privacy measures to protect people's data.