

✔ **Congratulations! You passed!**

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

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## Test your knowledge on clean versus dirty data

Total points 4

1. Describe the difference between a null and a zero in a dataset.

1 / 1 point

- ☐ A null signifies invalid data. A zero is missing data.
- ☐ A null represents a value of zero. A zero represents an empty cell.
- ☒ A null indicates that a value does not exist. A zero is a numerical response.
- ☐ A null represents a number with no significance. A zero represents the number zero.

✔ **Correct**

A null indicates that a value does not exist. A zero is a numerical response.

2. What are the most common processes and procedures handled by data engineers? Select all that apply.

1 / 1 point

- ☐ Verifying results of data analysis
- ☒ Transforming data into a useful format for analysis

✔ **Correct**

Data engineers transform data into a useful format for analysis; give it a reliable infrastructure; and develop, maintain, and test databases and related systems.

- ☒ Developing, maintaining, and testing databases and related systems

✔ **Correct**

Data engineers transform data into a useful format for analysis; give it a reliable infrastructure; and develop, maintain, and test databases and related systems.

- ☒ Giving data a reliable infrastructure

✔ **Correct**

Data engineers transform data into a useful format for analysis; give it a reliable infrastructure; and develop, maintain, and test databases and related systems.

3. What are the most common processes and procedures handled by data warehousing specialists? Select all that apply.

1 / 1 point

☒ Ensuring data is backed up to prevent loss

☒ **Correct**

Data warehousing specialists are responsible for ensuring data is available, secure, and backed up to prevent loss.

☒ Ensuring data is secure

☒ **Correct**

Data warehousing specialists are responsible for ensuring data is available, secure, and backed up to prevent loss.

☒ Ensuring data is available

☒ **Correct**

Data warehousing specialists are responsible for ensuring data is available, secure, and backed up to prevent loss.

☐ Ensuring data is properly cleaned

4. A data analyst is cleaning a dataset. They want to confirm that users entered five-digit zip codes correctly by checking the data in a certain spreadsheet column. What would be most helpful as the next step?

1 / 1 point

☐ Formatting the cells in the column as number

☐ Changing the column width to fit only five digits

☒ Using the field length tool to specify the number of characters in each cell in the column

☐ Using the MAX function to determine the maximum value in the cells in the column

☒ **Correct**

Using the field length tool to specify the number of characters in each cell in the column would be the most helpful.