



# DA0-001<sup>Q&As</sup>

CompTIA Data+

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### QUESTION 1

Which of the following actions should be taken when transmitting data to mitigate the chance of a data leak occurring? (Choose two.)

- A. Data identification
- B. Data processing
- C. Data Reporting
- D. Data encryption
- E. Data masking
- F. Fata removal

Correct Answer: DE

Explanation: Data encryption and data masking are two actions that can be taken when transmitting data to mitigate the chance of a data leak occurring. Data encryption means transforming data into an unreadable format that can only be decrypted with a key. Data masking means hiding or replacing sensitive data with fictitious or anonymized data. Both methods protect the confidentiality and integrity of the data in transit. References: CompTIA Data+ Certification Exam Objectives, page 13

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### QUESTION 2

An analyst is building a new dashboard for a user. After an initial conversation with the user, the analyst created a mock-up of the dashboard. Which of the following best explains why the analyst created the mock-up?

- A. To identify the dimensions and measures
- B. To send to the client after deploying the dashboard to production
- C. To confirm important details before dashboard development begins
- D. To receive client approval for the final dashboard design

Correct Answer: C

Explanation: Answer: C. To confirm important details before dashboard development begins.

A dashboard mockup is a prototype of a finished dashboard directly in the product. It is a way to visualize the layout, design, and functionality of the dashboard before it is built with real data and code. A dashboard mockup can help the

analyst to confirm important details with the user, such as the business objectives, the key performance indicators, the data sources, the filters, the charts, and the interactivity. By creating a dashboard mockup, the analyst can get immediate

feedback and validation from the user, and avoid wasting time and resources on developing a dashboard that does not meet the user's expectations or needs.

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### QUESTION 3

The duration of a phone call in milliseconds is an example of:

- A. ordinal data.
- B. nominal data.
- C. boolean data.
- D. continuous data.

Correct Answer: D

The correct answer is D. Continuous data. Continuous data is a type of quantitative data that can take any value within a range and can be measured with infinite precision. Continuous data can be expressed as fractions, decimals, or percentages. Examples of continuous data are height, weight, temperature, time, speed, etc<sup>12</sup> The duration of a phone call in milliseconds is an example of continuous data, because it can take any value within a range (from zero to infinity) and can be measured with infinite precision (up to milliseconds or even smaller units). The duration of a phone call in milliseconds can also be expressed as fractions, decimals, or percentages of a larger unit (such as seconds, minutes, or hours). Ordinal data is not correct, because ordinal data is a type of qualitative or categorical data that can be ordered or ranked according to some criterion. Ordinal data can have a logical order, but the intervals between the values are not equal or meaningful. Examples of ordinal data are grades, ratings, ranks, etc<sup>12</sup> Nominal data is not correct, because nominal data is a type of qualitative or categorical data that can be labeled or named without any order or ranking. Nominal data can have a finite number of categories or classes, but the categories have no intrinsic value or hierarchy. Examples of nominal data are gender, color, nationality, etc<sup>12</sup> Boolean data is not correct, because boolean data is a type of binary data that can have only two possible values: true or false. Boolean data can be used to represent logical statements, conditions, or outcomes. Examples of boolean data are yes/no, on/off, 1/0, etc.

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### QUESTION 4

Which one of the following would not normally be considered a summary statistic?

- A. z-score.
- B. Mean.
- C. Variance.
- D. Standard deviation.

Correct Answer: A

Simply put, a z-score (also called a standard score) gives you an idea of how far from the mean a data point is. But more technically it's a measure of how many standard deviations below or above the population mean a raw score is. A z-score can be placed on a normal distribution curve.

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### QUESTION 5

Which of the following data sampling methods involves dividing a population into subgroups by similar characteristics?

- A. Systematic



B. Simple random

C. Convenience

D. Stratified

Correct Answer: D

Explanation: Stratified sampling is a data sampling method that involves dividing a population into subgroups by similar characteristics, such as age, gender, income, etc. Then, a simple random sample is drawn from each subgroup. This method ensures that each subgroup is adequately represented in the sample and reduces the sampling error.

References: CompTIA Data+ Certification Exam Objectives, page 11.

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