

CIW 1D0-184

CIW AI Data Science Specialist

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Question: 1

Which of these are ethical guidelines to be applied in data science?

Response:

- A. Using data without consent for research
- B. Transparency in how data models work
- C. Manipulating data to fit preconceived notions
- D. Sharing private data publicly for scrutiny

Answer: B

Question: 2

Why is it important to understand the strengths and weaknesses of different query languages?

Response:

- A. To use only one language for all database types
- B. To choose the appropriate language based on database and requirements
- C. To avoid using query languages altogether
- D. To complicate the data retrieval process

Answer: B

Question: 3

What is the primary goal of applying statistical and mathematical solutions in data analysis?

Response:

- A. To make the analysis more complex and difficult to understand
- B. To identify and interpret patterns and relationships in data
- C. To rely solely on guesswork and intuition
- D. To use only one type of statistical method for all data sets

Answer: B

Question: 4

What are the strengths and weaknesses of query languages like SQL and NoSQL?

(Choose two)

Response:

- A. SQL excels in structured data; NoSQL is better for unstructured data
- B. SQL is not suitable for any database operations
- C. NoSQL offers flexibility; SQL offers better consistency
- D. NoSQL cannot handle large datasets

Answer: A,C

Question: 5

Which type of database is optimized for handling large volumes of unstructured data?

Response:

- A. Relational database
- B. NoSQL database
- C. Spreadsheet
- D. Paper-based database

Answer: B

Question: 6

Why is data normalization important in data preparation?

(Choose two)

Response:

- A. To ensure that different scales of data do not impact the analysis
- B. To convert all data to the same value
- C. To create a uniform distribution across all variables
- D. To adjust values to a common scale without distorting differences in ranges

Answer: A,D

Question: 7

In the context of data analysis, what is the importance of understanding data distribution properties like mean and variance?

Response:

- A. To disregard the variability of data
- B. To gain insights into the central tendency and spread of data
- C. To represent data inaccurately
- D. To focus only on outliers

Answer: B

Question: 8

How do classification and regression differ in data analysis?
Response:

- A. Classification predicts categorical outcomes; regression predicts numerical outcomes
- B. They are essentially the same in all aspects
- C. Regression is used for visualizing data; classification is not
- D. Classification deals with numerical predictions only

Answer: A

Question: 9

What are common types of databases used in data management?
Response:

- A. Spreadsheets and Word documents
- B. Relational databases and NoSQL databases
- C. Physical filing systems
- D. Personal diaries

Answer: B

Question: 10

How can data science benefit marketing strategies?
(Choose two)
Response:

- A. By predicting future trends and customer behaviors
- B. Ignoring market research and customer data
- C. Assisting in targeted advertising and customer segmentation
- D. Solely relying on intuition without data analysis

Answer: B,C

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