

Data Science Practice Test Questions and Answers

1. Which programming language is most commonly used in data science?

- A) HTML
- B) Python
- C) CSS
- D) PHP

2. What is the purpose of data cleaning in the data science process?

- A) To delete all data permanently
- B) To remove errors, inconsistencies, and prepare data for analysis
- C) To create more data points
- D) To encrypt sensitive information

3. Which machine learning algorithm is best for classification problems?

- A) Linear regression only
- B) Random Forest, Support Vector Machines, or Logistic Regression
- C) K-means clustering
- D) Principal Component Analysis

4. What does cross-validation help prevent in machine learning models?

- A) Data collection errors
- B) Overfitting and ensures model generalizability
- C) Hardware failures
- D) Internet connectivity issues

Answers: 1-B 2-B 3-B 4-B

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