

Data Science Fundamentals

Data Science · Answer Key · 8 Questions

1. Which programming language is famous in data science for using libraries like Pandas and NumPy?

- A) Python**
- B) HTML
- C) C++
- D) JavaScript

2. In database management, what does the acronym SQL stand for?

- A) Simple Query Logic
- B) Structured Query Language**
- C) Sequential Data List
- D) System Quality Link

3. What is the middle value in a sorted dataset called?

- A) Mean
- B) Mode
- C) Median**
- D) Range

4. What is a data point that differs significantly from most other data points in a dataset called?

- A) Outlier**
- B) Cluster
- C) Centroid
- D) Node

5. In data storage, what does the file format extension CSV stand for?

- A) Computer Storage Vector
- B) Central System Value
- C) Comma-Separated Values**
- D) Code Structured Variable

6. Which chart type displays individual data points on a two-dimensional graph to show relationships between variables?

- A) Pie chart
- B) Bar chart
- C) Scatter plot**
- D) Histogram

7. What type of machine learning uses data that is already labeled with correct answers?

A) Unsupervised learning

B) Supervised learning

C) Reinforcement learning

D) Clustering

8. Which three 'Vs' traditionally define the core characteristics of Big Data?

A) Volume, Velocity, Variety

B) Value, Validity, Vision

C) Vector, Variable, Volume

D) Visual, Virtual, Velocity