

## Generated Questions

Q: What is the primary goal of Data Visualization in Data Science?

Option A: To manipulate data for modeling

Option B: To communicate insights and patterns in data to stakeholders

Option C: To perform statistical analysis on large datasets

Option D: To train supervised learning models

Answer: To communicate insights and patterns in data to stakeholders

Q: Which of the following Data Manipulation techniques is used to handle missing values?

Option A: Data Normalization

Option B: Data Transformation

Option C: Data Imputation

Option D: Data Aggregation

Answer: Data Imputation

Q: What is the term for the probability of an event occurring given that another event has already occurred?

Option A: Conditional Probability

Option B: Joint Probability

Option C: Marginal Probability

Option D: Bayes' Theorem

Answer: Conditional Probability

Q: Supervised Learning is characterized by which of the following?

Option A: Unlabeled data with no target variable

Option B: Labeled data with a target variable to predict

Option C: Unsupervised dimensionality reduction

Option D: Model evaluation using only training data

Answer: Labeled data with a target variable to predict

Q: Clustering is an example of which type of Machine Learning?

Option A: Supervised Learning

Option B: Unsupervised Learning

Option C: Reinforcement Learning

Option D: Deep Learning

Answer: Unsupervised Learning