Q&A

Up-to-date Questions and Answers from authentic resources to improve knowledge and pass the exam at very first attempt. ----- Guaranteed.

KILL EXAMS

PASS ✓

killexams.com

SnowFlake

DSA-C02

SnowPro Advanced: Data Scientist

ORDER FULL VERSION

Question: 750
What is a key advantage of using ensemble methods like Random Forest for multiclass classification?

A. They are faster than individual classifiers
B. They can handle missing values
C. They are less complex than single models
D. They always outperform single models

Answer: B

Explanation: Random Forest can handle missing values effectively, as it can use surrogate splits to make decisions even when some data points are missing, making it robust for multiclass problems.

Question: 751
When applying PCA, what is the purpose of the covariance matrix?

A. To normalize the data
B. To identify correlations between features
C. To create new features
D. To define the target variable

Answer: B

Explanation: The covariance matrix is calculated to identify the correlations between features. PCA uses this matrix to determine the directions (principal components) that maximize variance in the data.

Question: 752
Which of the following is a key aspect of compliance considerations in data

science?

A. Lack of data documentation
B. Data encryption and access controls
C. Open access to all data
D. Inconsistent data handling procedures

Answer: B

Explanation: Compliance considerations emphasize the importance of data encryption and access controls to protect sensitive information and adhere to data protection regulations, ensuring data privacy and security.

Question: 753
Which of the following is NOT a benefit of using Snowflake for Data Science Pipelines?

A. Automatic scaling of resources
B. High concurrency
C. Limited data storage options
D. Simplified data sharing

Answer: C

Explanation: Limited data storage options is NOT a benefit of using Snowflake. In fact, Snowflake provides extensive storage options and capabilities, making it ideal for handling large volumes of data in Data Science Pipelines.

Question: 754

Which technique can be used to handle imbalanced datasets in classification tasks?

A. Data Augmentation
B. Cross-Validation
C. Under-sampling and Over-sampling
D. Feature Scaling

Answer: C

Explanation: Under-sampling reduces the number of instances from the majority class, while over-sampling increases instances in the minority class, both aiming to balance class distributions for more effective model training.

Question: 755
What does the term "autocorrelation" refer to in regression analysis?

A. The correlation between two independent variables
B. The correlation of residuals at different times
C. The relationship between predicted and actual values
D. The effect of outliers on regression coefficients

Answer: B

Explanation: Autocorrelation refers to the correlation of residuals (errors) at different points in time. This is a concern in time series data and can violate the assumption of independence of errors in regression analysis.

Question: 756

In the context of time series forecasting, what does "seasonality" refer to?

A. Long-term trends in the data
B. Random fluctuations
C. Regular patterns that repeat over a known period
D. Irregular variations

Answer: C

Explanation: Seasonality refers to regular, predictable patterns that occur at specific intervals in time series data, such as daily, monthly, or yearly fluctuations.

Question: 757
Which of the following statements is true about PCA?

A. PCA only works with categorical data.
B. PCA transforms data to a new coordinate system.
C. PCA can only reduce dimensions to two.
D. PCA is a supervised learning technique.

Answer: B

Explanation: PCA transforms data into a new coordinate system where the greatest variance by any projection lies on the first coordinate (principal component), followed by the second greatest variance on the second coordinate, and so forth.

Question: 758

What is a key advantage of the Snowflake Marketplace for data scientists?

A. Limited access to datasets.
B. Centralized access to diverse datasets.
C. High costs associated with data procurement.
D. Complicated data retrieval processes.

Answer: B

Explanation:
A key advantage of the Snowflake Marketplace for data scientists is centralized access to a diverse range of datasets. This accessibility enables data scientists to find relevant data quickly and efficiently, enhancing their analytical capabilities.

Question: 759
Which function would you use to convert a date to a string in a specific format in Snowflake?

A. TO_DATE()
B. TO_STRING()
C. TO_CHAR()
D. FORMAT_DATE()

Answer: C

Explanation: The TO_CHAR() function is used to convert a date or timestamp to a string in a specified format, allowing for flexible formatting of date outputs in queries.

Question: 760
Which of the following techniques can be used for dimensionality reduction?

A. K-means clustering
B. Linear Regression
C. Principal Component Analysis (PCA)
D. Decision Trees

Answer: C

Explanation:
Principal Component Analysis (PCA) is a widely used technique for dimensionality reduction, transforming a high-dimensional dataset into a lower-dimensional one while preserving as much variance as possible. This helps simplify models and reduce overfitting.

Question: 761
Which command is used to delete a share in Snowflake?

A. DROP SHARE
B. DELETE SHARE
C. REMOVE SHARE
D. SHARE DROP

Answer: A

Explanation: The command DROP SHARE is used to delete a share in Snowflake, removing the access granted to the shared objects and preventing further access by the specified accounts.

Question: 762

To update the "status" column of the "orders" table to "shipped" where the order ID is 123, which command should you use?

A. UPDATE orders SET status = 'shipped' WHERE order_id = 123;
B. MODIFY orders SET status = 'shipped' WHERE order_id = 123;
C. CHANGE orders SET status = 'shipped' WHERE order_id = 123;
D. SET orders.status = 'shipped' WHERE order_id = 123;

Answer: A

Explanation: The command UPDATE orders SET status = 'shipped' WHERE order_id = 123; is the correct way to update a specific record in SQL. The other options do not follow standard SQL syntax.

Question: 763

In multiclass classification, what does "stratified sampling" ensure?

A. Equal representation of all classes in training and test sets
B. Random selection of samples without consideration of class
C. Selection of only the majority class
D. Elimination of minority classes

Answer: A

Explanation: Stratified sampling ensures that each class is represented in the training and test sets in proportion to its occurrence in the entire dataset, which helps maintain class distribution and improves model performance.

Question: 764

What is the effect of including an irrelevant variable in a regression model concerning multicollinearity?

A. It reduces bias
B. It has no effect on multicollinearity
C. It can increase multicollinearity
D. It simplifies the model

Answer: C

Explanation: Including irrelevant variables can introduce additional correlations among predictors, potentially increasing multicollinearity and complicating the model.

Question: 765

How can you show the current user s role?

A. SHOW CURRENT ROLE;
B. SELECT CURRENT_ROLE();
C. GET CURRENT ROLE;
D. DISPLAY ROLE;

Answer: B

Explanation: The command SELECT CURRENT_ROLE(); retrieves the role currently assigned to the user. This is the proper way to check the active role in SQL.

Question: 766

What is the default retention period for Time Travel in Snowflake if not explicitly configured?

A. 1 day
B. 7 days
C. 30 days
D. 90 days

Answer: C

Explanation: If not explicitly configured, the default retention period for Time Travel in Snowflake is 30 days, allowing users to access historical data changes made within this time frame.

Question: 767

What type of data preprocessing is typically performed before generating a heat map?

A. Data augmentation
B. Data encoding
C. Data imputation
D. Data transformation

Answer: C

Explanation:
Data imputation is often necessary before generating a heat map to handle missing values, ensuring that the dataset used for visualization is complete and

accurate. While data encoding (B) and transformation (D) are also important, imputation specifically addresses missing data issues.

KILLEXAMS.COM

Killexams.com is an online platform that offers a wide range of services related to certification exam preparation. The platform provides actual questions, exam dumps, and practice tests to help individuals prepare for various certification exams with confidence. Here are some key features and services offered by Killexams.com:

Find Exam
Search your required exam

Actual Exam Questions: Killexams.com provides actual exam questions that are experienced in test centers. These questions are updated regularly to ensure they are up-to-date and relevant to the latest exam syllabus. By studying these actual questions, candidates can familiarize themselves with the content and format of the real exam.

Exam Dumps: Killexams.com offers exam dumps in PDF format. These dumps contain a comprehensive collection of questions and answers that cover the exam topics. By using these dumps, candidates can enhance their knowledge and improve their chances of success in the certification exam.

Practice Tests: Killexams.com provides practice tests through their desktop VCE exam simulator and online test engine. These practice tests simulate the real exam environment and help candidates assess their readiness for the actual exam. The practice tests cover a wide range of questions and enable candidates to identify their strengths and weaknesses.

Guaranteed Success: Killexams.com offers a success guarantee with their exam dumps. They claim that by using their materials, candidates will pass their exams on the first attempt or they will refund the purchase price. This guarantee provides assurance and confidence to individuals preparing for certification exams.

Updated Content: Killexams.com regularly updates its question bank and exam dumps to ensure that they are current and reflect the latest changes in the exam syllabus. This helps candidates stay up-to-date with the exam content and increases their chances of success.

Technical Support: Killexams.com provides free 24x7 technical support to assist candidates with any queries or issues they may encounter while using their services. Their certified experts are available to provide guidance and help candidates throughout their exam preparation journey.