

# Databricks-Certified-Data-Analyst-Associate Exam bootcamp & ExamCollection Databricks-Certified-Data-Analyst-Associate PDF



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The Databricks Certified Data Analyst Associate Exam (Databricks-Certified-Data-Analyst-Associate) practice test software also keeps a record of attempts, keeping users informed about their progress and allowing them to improve themselves. This feature makes it easy for Databricks-Certified-Data-Analyst-Associate desktop-based practice exam software users to focus on their mistakes and overcome them before the original attempt. Overall, the Windows-based Databricks Certified Data Analyst Associate Exam (Databricks-Certified-Data-Analyst-Associate) practice test software has a user-friendly interface that facilitates candidates to prepare for the Databricks Certified Data Analyst Associate Exam (Databricks-Certified-Data-Analyst-Associate) exam without facing technical issues.

## Databricks Databricks-Certified-Data-Analyst-Associate Exam Syllabus

### Topics:

| Topic   | Details   |
|---------|---|
| Topic 1 | <ul style="list-style-type: none"><li>SQL in the Lakehouse: It identifies a query that retrieves data from the database, the output of a SELECT query, a benefit of having ANSI SQL, access, and clean silver-level data. It also compares and contrasts MERGE INTO, INSERT TABLE, and COPY INTO. Lastly, this topic focuses on creating and applying UDFs in common scaling scenarios.</li></ul>   |
| Topic 2 | <ul style="list-style-type: none"><li>Databricks SQL: This topic discusses key and side audiences, users, Databricks SQL benefits, complementing a basic Databricks SQL query, schema browser, Databricks SQL dashboards, and the purpose of Databricks SQL endpoints</li><li>warehouses. Furthermore, the delves into Serverless Databricks SQL endpoint</li><li>warehouses, trade-off between cluster size and cost for Databricks SQL endpoints</li><li>warehouses, and Partner Connect. Lastly it discusses small-file upload, connecting Databricks SQL to visualization tools, the medallion architecture, the gold layer, and the benefits of working with streaming data.</li></ul> |
| Topic 3 | <ul style="list-style-type: none"><li>Data Management: The topic describes Delta Lake as a tool for managing data files, Delta Lake manages table metadata, benefits of Delta Lake within the Lakehouse, tables on Databricks, a table owner's responsibilities, and the persistence of data. It also identifies management of a table, usage of Data Explorer by a table owner, and organization-specific considerations of PII data. Lastly, the topic it explains how the LOCATION keyword changes, usage of Data Explorer to secure data.</li></ul>   |
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| Topic 4 | <ul style="list-style-type: none"> <li>Analytics applications: It describes key moments of statistical distributions, data enhancement, and the blending of data between two source applications. Moreover, the topic also explains last-mile ETL, a scenario in which data blending would be beneficial, key statistical measures, descriptive statistics, and discrete and continuous statistics.</li> </ul>   |
| Topic 5 | <ul style="list-style-type: none"> <li>Data Visualization and Dashboarding: Sub-topics of this topic are about of describing how notifications are sent, how to configure and troubleshoot a basic alert, how to configure a refresh schedule, the pros and cons of sharing dashboards, how query parameters change the output, and how to change the colors of all of the visualizations. It also discusses customized data visualizations, visualization formatting, Query Based Dropdown List, and the method for sharing a dashboard.</li> </ul> |

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### Databricks Certified Data Analyst Associate Exam Sample Questions (Q57-Q62):

#### NEW QUESTION # 57

Data professionals with varying titles use the Databricks SQL service as the primary touchpoint with the Databricks Lakehouse Platform. However, some users will use other services like Databricks Machine Learning or Databricks Data Science and Engineering.

Which of the following roles uses Databricks SQL as a secondary service while primarily using one of the other services?

- A. Business intelligence analyst
- B. Data analyst
- C. SQL analyst
- D. Business analyst
- E. Data engineer

**Answer: E**

Explanation:

Data engineers are primarily responsible for building, managing, and optimizing data pipelines and architectures. They use Databricks Data Science and Engineering service to perform tasks such as data ingestion, transformation, quality, and governance. Data engineers may use Databricks SQL as a secondary service to query, analyze, and visualize data from the lakehouse, but this is not their main focus. Reference: Databricks SQL overview, Databricks Data Science and Engineering overview, Data engineering with Databricks

#### NEW QUESTION # 58

In which circumstance will there be a substantial difference between the variable's mean and median values?

- A. When the variable is of the boolean type
- B. When the variable contains no outliers
- C. When the variable is of the categorical type
- D. When the variable contains a lot of extreme outliers

**Answer: D**

Explanation:

The mean is sensitive to extreme values, often called outliers, which can significantly skew the average away from the true center of the data. The median, however, is a measure of central tendency that is resistant to such outliers because it only considers the middle value(s) when the data is ordered. Therefore, when a variable contains many extreme outliers, there will be a substantial difference between the mean and the median. According to Databricks data analysis materials, this is a fundamental concept when choosing summary statistics for reporting.

#### NEW QUESTION # 59

Delta Lake stores table data as a series of data files, but it also stores a lot of other information. Which of the following is stored alongside data files when using Delta Lake?

- A. Owner account information
- B. None of these
- C. Table metadata, data summary visualizations, and owner account information
- **D. Table metadata**
- E. Data summary visualizations

**Answer: D**

Explanation:

Delta Lake is a storage layer that enhances data lakes with features like ACID transactions, schema enforcement, and time travel. While it stores table data as Parquet files, Delta Lake also keeps a transaction log (stored in the `_delta_log` directory) that contains detailed table metadata.

This metadata includes:

Table schema

Partitioning information

Data file paths

Transactional operations like inserts, updates, and deletes

Commit history and version control

This metadata is critical for supporting Delta Lake's advanced capabilities such as time travel and efficient query execution. Delta Lake does not store data summary visualizations or owner account information directly alongside the data files.

#### NEW QUESTION # 60

How can a data analyst determine if query results were pulled from the cache?

- A. Go to the Alerts tab and check the Cache Status alert.
- **B. Go to the Query History tab and click on the text of the query. The slideout shows if the results came from the cache.**
- C. Go to the Data tab and click Last Query. The details of the query will show if the results came from the cache.
- D. Go to the Queries tab and click on Cache Status. The status will be green if the results from the last run came from the cache.
- E. Go to the SQL Warehouse (formerly SQL Endpoints) tab and click on Cache. The Cache file will show the contents of the cache.

**Answer: B**

Explanation:

Databricks SQL uses a query cache to store the results of queries that have been executed previously. This improves the performance and efficiency of repeated queries. To determine if a query result was pulled from the cache, you can go to the Query History tab in the Databricks SQL UI and click on the text of the query. A slideout will appear on the right side of the screen, showing the query details, including the cache status. If the result came from the cache, the cache status will show "Cached". If the result did not come from the cache, the cache status will show "Not cached". You can also see the cache hit ratio, which is the percentage of queries that were served from the cache. Reference: The answer can be verified from Databricks SQL documentation which provides information on how to use the query cache and how to check the cache status. Reference link: [Databricks SQL - Query Cache](#)

### NEW QUESTION # 61

A data scientist has asked a data analyst to create histograms for every continuous variable in a data set. The data analyst needs to identify which columns are continuous in the data set.

What describes a continuous variable?

- A. A quantitative variable that can take on an uncountable set of values
- B. A quantitative variable that can take on a finite or countably infinite set of values
- C. A categorical variable in which the number of categories continues to increase over time
- D. A quantitative variable that never stops changing

**Answer: A**

Explanation:

A continuous variable is a type of quantitative variable that can assume an infinite number of values within a given range. This means that between any two possible values, there can be an infinite number of other values. For example, variables such as height, weight, and temperature are continuous because they can be measured to any level of precision, and there are no gaps between possible values. This is in contrast to discrete variables, which can only take on specific, distinct values (e.g., the number of children in a family). Understanding the nature of continuous variables is crucial for data analysts, especially when selecting appropriate statistical methods and visualizations, such as histograms, to accurately represent and analyze the data.

### NEW QUESTION # 62

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