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Databricks Data Analyst Associate Exam Dumps 2024
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Below are the free 10 sample questions.

Question 1:

Which of the following is a critical organization-specific consideration when handling PII data?

- A. Implementing a one-size-fits-all approach to PII data storage and processing.
- B. Developing a uniform public access policy for all PII data.
- C. Prioritizing cost-saving measures over data security for PII data.
- D. Adapting PII data handling protocols to comply with regional and sector-specific privacy laws.
- E. Always using the same encryption method for PII data across all departments.

Answer: D

Explanation:

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Databricks Databricks-Certified-Data-Analyst-Associate Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• 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• warehouses. Furthermore, the delves into Serverless Databricks SQL endpoint• warehouses, trade-off between cluster size and cost for Databricks SQL endpoints• 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.

Topic 2	<ul style="list-style-type: none"> • 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.
Topic 3	<ul style="list-style-type: none"> • 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.
Topic 4	<ul style="list-style-type: none"> • 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.
Topic 5	<ul style="list-style-type: none"> • 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.

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Databricks Certified Data Analyst Associate Exam Sample Questions (Q46-Q51):

NEW QUESTION # 46

An analyst writes a query that contains a query parameter. They then add an area chart visualization to the query. While adding the area chart visualization to a dashboard, the analyst chooses "Dashboard Parameter" for the query parameter associated with the area chart.

Which of the following statements is true?

- A. The area chart will convert to a Dashboard Parameter.
- B. The area chart will use whatever value is chosen on the dashboard at the time the area chart is added to the dashboard.
- C. The area chart will use whatever is selected in the Dashboard Parameter while all or the other visualizations will remain changed regardless of their parameter use.
- D. The area chart will use whatever value is input by the analyst when the visualization is added to the dashboard. The parameter cannot be changed by the user afterwards.
- **E. The area chart will use whatever is selected in the Dashboard Parameter along with all of the other visualizations in the dashboard that use the same parameter.**

Answer: E

Explanation:

A Dashboard Parameter is a parameter that is configured for one or more visualizations within a dashboard and appears at the top of the dashboard. The parameter values specified for a Dashboard Parameter apply to all visualizations reusing that particular Dashboard Parameter. Therefore, if the analyst chooses "Dashboard Parameter" for the query parameter associated with the area

chart, the area chart will use whatever is selected in the Dashboard Parameter along with all of the other visualizations in the dashboard that use the same parameter. This allows the user to filter the data across multiple visualizations using a single parameter widget2. Reference: Databricks SQL dashboards, Query parameters

NEW QUESTION # 47

Which of the following approaches can be used to ingest data directly from cloud-based object storage?

- A. Create an external table while specifying the DBFS storage path to FROM
- **B. Create an external table while specifying the object storage path to LOCATION**
- C. Create an external table while specifying the DBFS storage path to PATH
- D. It is not possible to directly ingest data from cloud-based object storage
- E. Create an external table while specifying the object storage path to FROM

Answer: B

Explanation:

External tables are tables that are defined in the Databricks metastore using the information stored in a cloud object storage location. External tables do not manage the data, but provide a schema and a table name to query the data. To create an external table, you can use the CREATE EXTERNAL TABLE statement and specify the object storage path to the LOCATION clause. For example, to create an external table named ext_table on a Parquet file stored in S3, you can use the following statement:

SQL

```
CREATE EXTERNAL TABLE ext_table (  
  col1 INT,  
  col2 STRING  
)
```

STORED AS PARQUET

LOCATION 's3://bucket/path/file.parquet'

AI-generated code. Review and use carefully. More info on FAQ.

NEW QUESTION # 48

Which of the following approaches can be used to connect Databricks to Fivetran for data ingestion?

- A. Use Delta Live Tables to establish a cluster for Fivetran to interact with
- **B. Use Partner Connect's automated workflow to establish a cluster for Fivetran to interact with**
- C. Use Workflows to establish a cluster for Fivetran to interact with
- D. Use Partner Connect's automated workflow to establish a SQL warehouse (formerly known as a SQL endpoint) for Fivetran to interact with
- E. Use Workflows to establish a SQL warehouse (formerly known as a SQL endpoint) for Fivetran to interact with

Answer: B

Explanation:

Partner Connect is a feature that allows you to easily connect your Databricks workspace to Fivetran and other ingestion partners using an automated workflow. You can select a SQL warehouse or a cluster as the destination for your data replication, and the connection details are sent to Fivetran. You can then choose from over 200 data sources that Fivetran supports and start ingesting data into Delta Lake. Reference: Connect to Fivetran using Partner Connect, Use Databricks with Fivetran

NEW QUESTION # 49

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 # 50

A data analyst has created a user-defined function using the following line of code:

```
CREATE FUNCTION price(spend DOUBLE, units DOUBLE)
```

```
RETURNS DOUBLE
```

```
RETURN spend / units;
```

Which of the following code blocks can be used to apply this function to the customer_spend and customer_units columns of the table customer_summary to create column customer_price?

- A. `SELECT PRICE customer_spend, customer_units AS customer_price FROM customer_summary`
- B. `SELECT double(price(customer_spend, customer_units)) AS customer_price FROM customer_summary`
- C. `SELECT price FROM customer_summary`
- **D. `SELECT price(customer_spend, customer_units) AS customer_price FROM customer_summary`**
- E. `SELECT function(price(customer_spend, customer_units)) AS customer_price FROM customer_summary`

Answer: D

Explanation:

A user-defined function (UDF) is a function defined by a user, allowing custom logic to be reused in the user environment. To apply a UDF to a table, the syntax is `SELECT udf_name(column_name) AS alias FROM table_name`. Therefore, option D is the correct way to use the UDF price to create a new column customer_price based on the existing columns customer_spend and customer_units from the table customer_summary. Reference:

What are user-defined functions (UDFs)?

User-defined scalar functions - SQL

V

NEW QUESTION # 51

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