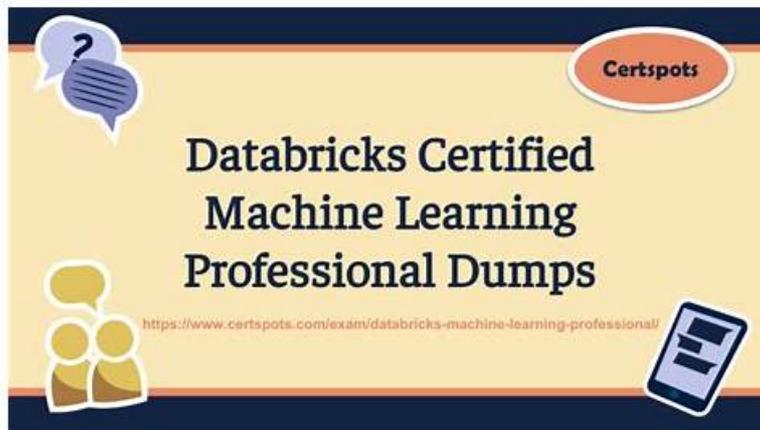


Databricks Databricks-Machine-Learning-Professional Exam Registration, Databricks-Machine-Learning-Professional Pass Leader Dumps



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Databricks Databricks-Machine-Learning-Professional Exam Syllabus

Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> Identify live serving benefits of querying precomputed batch predictions Describe Structured Streaming as a common processing tool for ETL pipelines
Topic 2	<ul style="list-style-type: none"> Identify that data can arrive out-of-order with structured streaming Identify how model serving uses one all-purpose cluster for a model deployment
Topic 3	<ul style="list-style-type: none"> Describe the advantages of using the pyfunc MLflow flavor Manually log parameters, models, and evaluation metrics using MLflow
Topic 4	<ul style="list-style-type: none"> Test whether the updated model performs better on the more recent data Identify when retraining and deploying an updated model is a probable solution to drift
Topic 5	<ul style="list-style-type: none"> Identify which code block will trigger a shown webhook Describe the basic purpose and user interactions with Model Registry
Topic 6	<ul style="list-style-type: none"> Identify the requirements for tracking nested runs Describe an MLflow flavor and the benefits of using MLflow flavors
Topic 7	<ul style="list-style-type: none"> Identify JIT feature values as a need for real-time deployment Describe how to list all webhooks and how to delete a webhook
Topic 8	<ul style="list-style-type: none"> Identify a use case for HTTP webhooks and where the Webhook URL needs to come Identify advantages of using Job clusters over all-purpose clusters

Topic 9	<ul style="list-style-type: none"> • Describe model serving deploys and endpoint for every stage • Identify scenarios in which feature drift and or label drift are likely to occur
Topic 10	<ul style="list-style-type: none"> • Identify less performant data storage as a solution for other use cases • Describe why complex business logic must be handled in streaming deployments
Topic 11	<ul style="list-style-type: none"> • Describe concept drift and its impact on model efficacy • Describe summary statistic monitoring as a simple solution for numeric feature drift

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Databricks Certified Machine Learning Professional Sample Questions (Q96-Q101):

NEW QUESTION # 96

A data scientist has computed updated rows that contain new feature values for primary keys already stored in the Feature Store table features. The updated feature values are stored in the DataFrame features_df. They want to update the rows in features if the associated primary key is in features_df. If a row's primary key is not in features_df, they want the row to remain unchanged in features. Which code block can they use to perform this task using the Feature Store Client fs?

- A.
- B.
- C.
- D.

Answer: A

Explanation:

To update existing rows based on primary keys while leaving other rows unchanged, the correct mode to use with fs.write_table() is "merge". This performs an upsert operation - updating rows where keys match and keeping others intact - making it ideal for updating feature values in a Feature Store table.

NEW QUESTION # 97

A data scientist is using MLflow to track their machine learning experiment. As a part of each MLflow run, they are performing hyperparameter tuning. The data scientist would like to have one parent run for the tuning process with a child run for each unique combination of hyperparameter values.

They are using the following code block:

The code block is not nesting the runs in MLflow as they expected.

Which of the following changes does the data scientist need to make to the above code block so that it successfully nests the child runs under the parent run in MLflow?

- A. Add the nested=True argument to the parent run
- B. Add the nested=True argument to the parent run and remove the nested=True arguments from the child runs
- C. Remove the nested=True argument from the child runs
- D. Indent the child run blocks within the parent run block

- E. Provide the same name to the run name parameter for all three run blocks

Answer: B

NEW QUESTION # 98

A data scientist has developed and logged a Spark ML random forest model `model`, and then they ended their Spark session and terminated their cluster. After starting a new cluster, they want to review the `featureImportances` of the original model object. Which lines of code can be used to restore the model object so that `featureImportances` is available?

- A. `client.list_artifacts(run_id)["feature-importances.csv"]`
- B. `mlflow.sklearn.load_model(model_uri)`
- C. This can only be viewed in the MLflow Experiments UI
- D. `client.pyfunc.load_model(model_uri)`
- E. `mlflow.load_model(model_uri)`

Answer: B

NEW QUESTION # 99

A data scientist set up a machine learning pipeline to automatically log a data visualization with each run. They now want to view the visualizations in Databricks.

Which of the following locations in Databricks will show these data visualizations?

- A. The MLflow Model Registry Model page
- B. The Artifacts section of the MLflow Run page
- C. The Figures section of the MLflow Run page
- D. The Artifacts section of the MLflow Experiment page
- E. Logged data visualizations cannot be viewed in Databricks

Answer: C

NEW QUESTION # 100

Which tool can be used to automatically start a testing Job when a new version of an MLflow Model Registry model is registered?

- A. MLflow Model Registry UI
- B. MLflow Model Registry Webhooks
- C. MLflow Client API
- D. MLflow REST API

Answer: B

Explanation:

MLflow Model Registry Webhooks can be configured to automatically trigger actions - such as running a testing job - when events occur, like registering a new model version. This enables automation in CI/CD workflows for machine learning models.

NEW QUESTION # 101

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