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Databricks Databricks-Machine-Learning-Professional Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• Identify the requirements for tracking nested runs • Describe an MLflow flavor and the benefits of using MLflow flavors

Topic 3	• 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 4	• Identify less performant data storage as a solution for other use cases • Describe why complex business logic must be handled in streaming deployments
Topic 5	• Describe model serving deploys and endpoint for every stage • Identify scenarios in which feature drift and • or label drift are likely to occur
Topic 6	• Describe the advantages of using the pyfunc MLflow flavor • Manually log parameters, models, and evaluation metrics using MLflow
Topic 7	• Identify which code block will trigger a shown webhook • Describe the basic purpose and user interactions with Model Registry
Topic 8	• Identify JIT feature values as a need for real-time deployment • Describe how to list all webhooks and how to delete a webhook
Topic 9	• Identify live serving benefits of querying precomputed batch predictions • Describe Structured Streaming as a common processing tool for ETL pipelines
Topic 10	• Describe concept drift and its impact on model efficacy • Describe summary statistic monitoring as a simple solution for numeric feature drift
Topic 11	• Create, overwrite, merge, and read Feature Store tables in machine learning workflows • View Delta table history and load a previous version of a Delta table

Quiz 2026 Efficient Databricks Databricks-Machine-Learning-Professional: Valid Databricks Certified Machine Learning Professional Test Voucher

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Databricks Certified Machine Learning Professional Sample Questions (Q66-Q71):

NEW QUESTION # 66
Which statement is a reason for using Jensen-Shannon (JS) distance over a Kolmogorov- Smirnov (KS) test for numeric feature drift detection?

- A. All of these reasons
- B. JS is more robust when working with large datasets
- C. None of these reasons
- D. JS is not normalized or smoothed
- E. JS does not require any manual threshold or cutoff determinations

Answer: B

NEW QUESTION # 67
A Machine Learning Engineer is responsible for maintaining a fraud detection model deployed on Databricks. They want to

implement a retraining pipeline that automatically starts when the model's F1 score drops below a threshold or when input feature distributions change significantly.
Which two actions should the engineer take to implement this automated retraining? (Choose two.)

- A. Schedule a recurring query on the Lakehouse monitoring table.
- B. Set up a manual retraining schedule to run every week regardless of alerts.
- C. Use Databricks SQL to create alerts on model performance and data drift metrics stored in Delta tables.
- D. Use MLflow to manually log metrics and retrain the model offline.
- E. Configure these alerts to send webhook notifications that trigger the model training job.

Answer: C,E

Explanation:
Databricks Lakehouse Monitoring stores model performance and data drift metrics in Delta tables, which can be monitored using Databricks SQL alerts. By creating alerts on F1 score degradation or significant feature drift and configuring those alerts to send webhook notifications, the engineer can automatically trigger a retraining job whenever predefined conditions are met, enabling event-driven, automated retraining aligned with MLOps best practices.

NEW QUESTION # 68
A Machine Learning Engineer has deployed a fraud detection model in Databricks Model Serving to detect fraudulent transactions. The engineer wants to compare the model's predictions with the actual fraud classifications from the Fraud Ops team to monitor model performance. The Fraud Ops team uses a unique transaction_id to investigate fraudulent activity and persist their findings to a fraud_findings table. The engineer enabled inference tables on the endpoint, but they are not sure how to map the models' predictions to the Fraud Ops team's classifications. How can the engineer uniquely join the models' prediction to the fraud_findings table with the fewest code changes?

- A. Populate the client_request_id field with the transaction_id in the model serving request body.
  Join the inference table with the fraud_findings table using client_request_id (which contains the transaction_id) as the join key.
- B. Join the inference table with the fraud_findings table using timestamp_ms as the join key.
- C. Modify the model to include an additional input: transaction_id. Log, register and deploy the new model. In the model serving request body, add transaction_id as an additional input feature. Join the inference table with the fraud_findings table using transaction_id as the join key.
- D. Store databricks_request_id returned from each model serving request and persist it to the fraud_findings table. Join the inference table with the fraud_findings table using databricks_request_id as the join key.

Answer: A

Explanation:
Databricks Model Serving inference tables automatically log the client_request_id field for each request. By populating this field with the existing transaction_id in the request body, the engineer can directly and uniquely join inference predictions with the fraud_findings table using the same identifier, achieving accurate performance monitoring with minimal code changes and no model retraining or redeployment.

NEW QUESTION # 69
Which of the following lists all of the model stages are available in the MLflow Model Registry?

- A. None. Staging. Production. Archived
- B. Staging. Production. Archived
- C. Development. Staging. Production
- D. Development. Staging. Production. Archived
- E. None. Staging. Production

Answer: A

NEW QUESTION # 70
A Machine Learning Engineer is using Lakehouse Monitoring to track the performance of ML models deployed in their environment. They want to monitor significant distributional drift in categorical features with a metric bounded on [0,1] for easy interpretation.

Which statistical method should they use?

- A. Kullback-Leibler Distance
- B. Kolmogorov-Smirnov Test
- C. Wasserstein Distance
- D. Jensen-Shannon Distance

Answer: D

Explanation:
Jensen-Shannon Distance is well suited for measuring distributional drift in categorical features. It is symmetric, numerically stable, and bounded between 0 and 1, which makes it easy to interpret and ideal for monitoring categorical feature drift in Lakehouse Monitoring.

NEW QUESTION # 71
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