Free Questions for Databricks-Machine-Learning-Professional by certscare

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Question 1

Question Type: MultipleChoice

A data scientist has developed a model model and computed the RMSE of the model on the test set. They have assigned this value to the variable rmse. They now want to manually store the RMSE value with the MLflow run.

They write the following incomplete code block:

```
with mlflow.start_run(experiment_id=exp_id, run_name=run_name) as run:
    # Log rmse
    mlflow._____("rmse", rmse)
```

Which of the following lines of code can be used to fill in the blank so the code block can successfully complete the task?

Options:

A- log_artifact

B- log_model

C- log_metric

D- log_param

E- There is no way to store values like this.

Answer:

A

Question 2

Question Type: **MultipleChoice**

A data scientist would like to enable MLflow Autologging for all machine learning libraries used in a notebook. They want to ensure that MLflow Autologging is used no matter what version of the Databricks Runtime for Machine Learning is used to run the notebook and no matter what workspace-wide configurations are selected in the Admin Console.

Which of the following lines of code can they use to accomplish this task?

Options:

A- mlflow.sklearn.autolog()

B- mlflow.spark.autolog()

C- spark.conf.set("autologging", True)

D- It is not possible to automatically log MLflow runs.

E- mlflow.autolog()

Answer:

C

Question 3

Question Type: MultipleChoice

Which of the following machine learning model deployment paradigms is the most common for machine learning projects?

Options:

A- On-device

B- Streaming

C- Real-time

D- Batch

E- None of these deployments

Answer:

B

Question 4

Question Type: MultipleChoice

Which of the following describes label drift?

Options:

A- Label drift is when there is a change in the distribution of the predicted target given by the model

B- None of these describe label drift

C- Label drift is when there is a change in the distribution of an input variable

D- Label drift is when there is a change in the relationship between input variables and target variables

E- Label drift is when there is a change in the distribution of a target variable

Answer:

C

Question 5

Question Type: MultipleChoice

After a data scientist noticed that a column was missing from a production feature set stored as a Delta table, the machine learning engineering team has been tasked with determining when the column was dropped from the feature set.

Which of the following SQL commands can be used to accomplish this task?

Options:

A- VERSION

B- DESCRIBE

C- HISTORY

D- DESCRIBE HISTORY

E- TIMESTAMP

Answer:

D

Question 6

Question Type: MultipleChoice

A data scientist has computed updated feature values for all primary key values stored in the Feature Store table features. In addition, feature values for some new primary key values have also been computed. The updated feature values are stored in the DataFrame features_df. They want to replace all data in features with the newly computed data.

Which of the following code blocks can they use to perform this task using the Feature Store Client fs?

A)

```
fs.create_table(
    name="features",
    df=features_df,
    mode="overwrite"
)
```

B)

```
fs.write_table(
    name="features",
    df=features_df,
)
```

C)

```
fs.write_table(
    name="features",
    df=features_df,
    mode="merge"
)
```

D)

```
fs.write_table(
    name="features",
    df=features_df,
    mode="overwrite"
)
```

E)

```
fs.create_table(
    name="features",
    df=features_df,
    mode="merge"
)
```

Options:

A- Option A

B- Option B

C- Option C

D- Option D

E- Option E

Answer:

E

Question 7

Question Type: **MultipleChoice**

Which of the following is a probable response to identifying drift in a machine learning application?

Options:

A- None of these responses

B- Retraining and deploying a model on more recent data

C- All of these responses

D- Rebuilding the machine learning application with a new label variable

E- Sunsetting the machine learning application

Answer:

A