



70-774^{Q&As}

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**QUESTION 1**

Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

A travel agency named Margie's Travel sells airline tickets to customers in the United States.

Margie's Travel wants you to provide insights and predictions on flight delays. The agency is considering implementing a system that will communicate to its customers as the flight departure nears about possible delays due to weather conditions. The flight data contains the following attributes:

The weather data contains the following attributes: AirportID, ReadingDate (YYYY/MM/DD HH), SkyConditionVisibility, WeatherType, WindSpeed, StationPressure, PressureChange, and HourlyPrecip.

You plan to predict flight delays that are 30 minutes or more.

You need to build a training model that accurately fits the data. The solution must minimize over fitting and minimize data leakage.

Which attribute should you remove?

- A. OriginAirportID
- B. DepDel
- C. DepDel30
- D. Carrier
- E. DestAirportID

Correct Answer: C

QUESTION 2

You have the following HiveQL query in an Import Data module.



```
from Student_Table
) a
where state_rank <= state_cnt*'{hiveconf:sampleRate}'

(
select
    field1, field2, field3, ..., fieldN, state,
    count(*) over (partition by state) as state_cnt,
    rank() over (partition by state order by rand()) as state_rank

from Student_Table
) a
where state_rank <= state_cnt*'{hiveconf:sampleRate}'
```

Which type of operation is being performed?

- A. sampling a bucketized table
- B. random sampling by groups
- C. uniform random sampling
- D. stratified sampling

Correct Answer: D

QUESTION 3

You have the following three training datasets for a restaurant:

You must recommend restaurant to a particular user based only on the users features.

You need to use a Matchbox Recommender to make recommendations.

How many input parameters should you specify?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: B

References: <https://msdn.microsoft.com/en-us/library/azure/dn905987.aspx>

QUESTION 4



Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario You plan to use Azure platform tools to detect and analyze food items in smart refrigerators. To provide families with an integrated experience for grocery shopping and cooking, the refrigerators will connect to other smart appliances, such as stoves and microwave ovens, on a LAN.

You plan to build an object recognition model by using the Microsoft Cognitive Toolkit. The object recognition model will receive input from the connected devices and send results to applications.

The training data will be derived from more than 10 TB of images. You will convert the raw images to the sparse format.

End of repeated scenario.

You need to preprocess the training data by using a Principal Component Analysis (PCA) algorithm in the least amount of time possible. Which implementation method should you use?

- A. Azure HDInsight using HiveML
- B. Azure Machine Learning Studio and a custom Execute Python Script module
- C. Azure HDInsight using Microsoft R Server
- D. Azure Machine Learning Studio with a custom Execute R Script module

Correct Answer: C

QUESTION 5

You plan to use the Data Science Virtual Machine for development, but you are unfamiliar with R scripts.

You need to generate R code for an experiment.

Which IDE should you use?

- A. XgBoost
- B. Rattle
- C. Vowpal Wabbit
- D. R Tools for Visual Studio

Correct Answer: C

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/data-science-virtual-machine/provision-vm>



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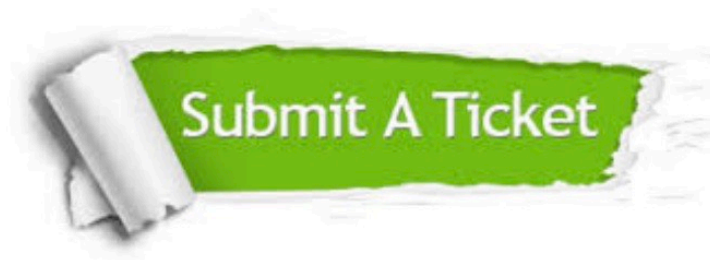
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