70-774^{Q&As}

Perform Cloud Data Science with Azure Machine Learning

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QUESTION 1

You have an Execute R Script module that has one input from either a Partition and Sample module or a Web service input module.

You need to preprocess tweets by using R. The solution must meet the following requirements:

How should you complete the R code? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Values

```
dataset[[1]]
```

```
dataset[[2]]
```

```
gsub("[^a-z]", " ", tweet_text, ignore.case = FALSE)
```

```
maml.mapInputPort(1)
```

```
sapply(tweet_text, tolower)
```

Answer area

```
dataset <-        Value

tweet_text <-     Value

tweet_text <-     Value

tweet_text <-     Value

data.set <- as.data.frame(tweet_text, stringsAsFactors=FALSE)

maml.mapOutputPort("data.set")
```

Correct Answer:

Values

```
dataset[[2]]
```

Answer area

```
dataset <-        maml.mapInputPort(1)

tweet_text <-     dataset[[1]]

tweet_text <-     sapply(tweet_text, tolower)

tweet_text <-     gsub("[^a-z]", " ", tweet_text, ignore.case = FALSE)

data.set <- as.data.frame(tweet_text, stringsAsFactors=FALSE)

maml.mapOutputPort("data.set")
```

QUESTION 2

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 deploy a multiple-service solution that was developed already and published by other users in the Microsoft development community.

What should you use?

A. the edX Data Science Learning Dashboard

B. the Data Science Virtual Machine

C. an Azure Machine Learning experiment

D. Cortana Intelligence Gallery

Correct Answer: C

QUESTION 3

You are working on an Azure Machine Learning experiment that uses four different logistic regression algorithms. You are evaluating the algorithms based on the data in the following table.

Metric	Model 1	Model 2	Model 3	Model 4
Mean absolute error (MAE)	.2	.63	.41	.46
Relative absolute error (RAE)	.40	.30	.60	.65
Root mean squared error (RMSE)	.25	.37	.15	.46

Which model produces predictions that are the closest to the actual outcomes?

A. Model 1

B. Model 2

C. Model 3

D. Model 4

Correct Answer: A

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 scries.

Start of repeated scenario You plan to create a predictive analytics solution for credit risk assessment and fraud

prediction in Azure Machine Learning. The Machine Learning workspace for the solution will be shared with other users in your organization. You will add assets to projects and conduct experiments in the workspace.

The experiments will be used for training models that will be published to provide scoring from web services.

The experiment for fraud prediction will use Machine Learning modules and APIs to train the models and will predict probabilities in an Apache Hadoop ecosystem.

End of repeated scenario.

You plan to share the Machine Learning workspace with the other users.

You are evaluating whether to assign the User role or the Owner role to several of the users.

Which three actions can be performed by the users who are assigned the User role? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Create, open, modify, and delete datasets.

B. Create, open, modify, and delete experiments.

C. Invite users to the workspace.

D. Delete users from the workspace.

E. Create, open, modify, and delete web services.

F. Access notebooks.

Correct Answer: CDF

QUESTION 5

Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You need to change a column name to a friendly name. The solution must use a native module. Which module should you use?

A. Normalize Data

B. Select Columns in Dataset

C. Import Data

D. Edit Metadata

E. Tune Model Hyperparameters

F. Clean Missing Data

G. Clip Values

H. Execute Python Script

Correct Answer: D

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