

Microsoft

DP-100

Designing and Implementing a Data Science Solution on Azure

Questions And Answers PDF Format:

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Version = Product



Latest Version: 30.0

Question: 1

You need to resolve the local machine learning pipeline performance issue. What should you do?

- A. Increase Graphic Processing Units (GPUs).
- B. Increase the learning rate.
- C. Increase the training iterations,
- D. Increase Central Processing Units (CPUs).

Answer: A

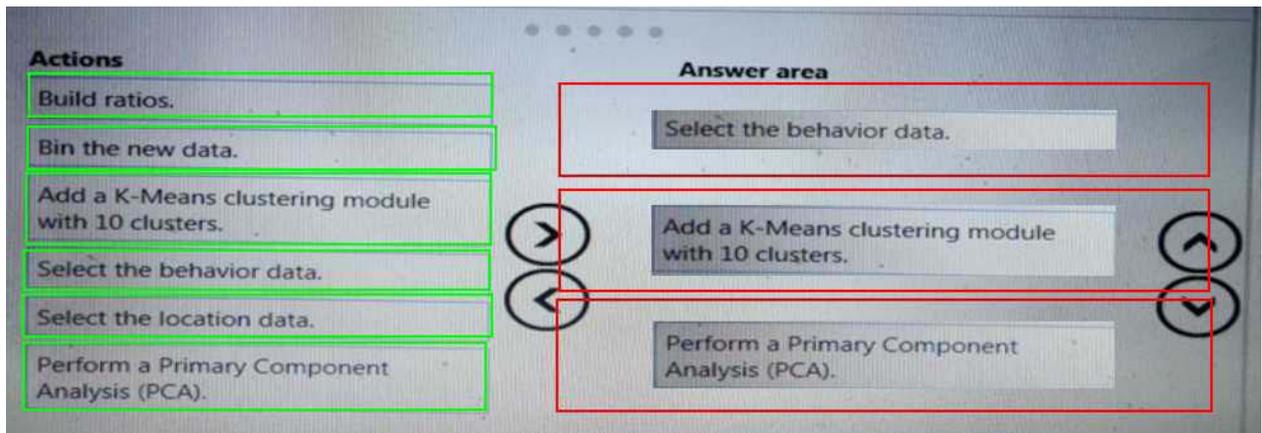
Question: 2

DRAG DROP

You need to modify the inputs for the global penalty event model to address the bias and variance issue. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

The screenshot shows a drag-and-drop interface. On the left, under the heading "Actions", there is a list of six actions in rectangular boxes: "Build ratios.", "Bin the new data.", "Add a K-Means clustering module with 10 clusters.", "Select the behavior data.", "Select the location data.", and "Perform a Primary Component Analysis (PCA)". To the right of this list are two circular buttons with right-pointing and left-pointing arrows. On the right side of the interface is an "Answer area" which is currently empty. To the right of the answer area are two circular buttons with up-pointing and down-pointing arrows. A mouse cursor is visible over the answer area.

Answer:



Question: 3

You need to select an environment that will meet the business and data requirements. Which environment should you use?

- A. Azure HDInsight with Spark MLlib
- B. Azure Cognitive Services
- C. Azure Machine Learning Studio
- D. Microsoft Machine Learning Server

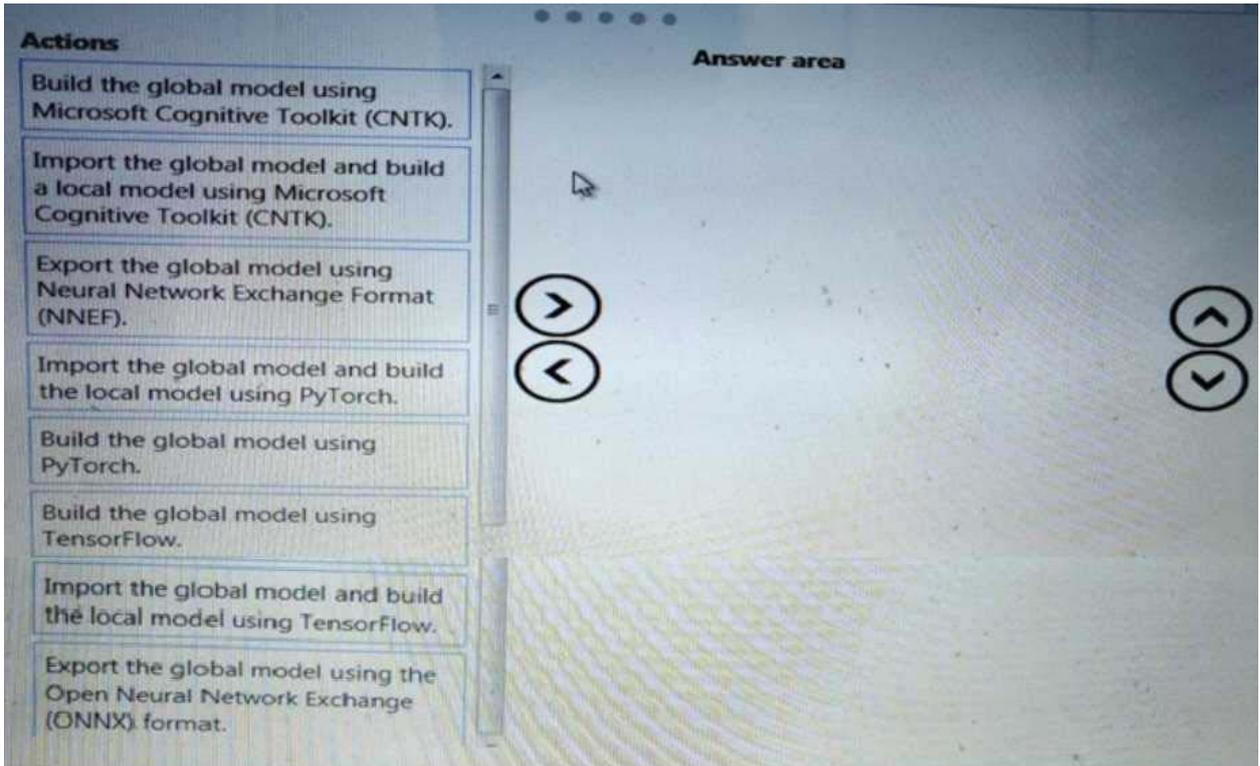
Answer: D

Question: 4

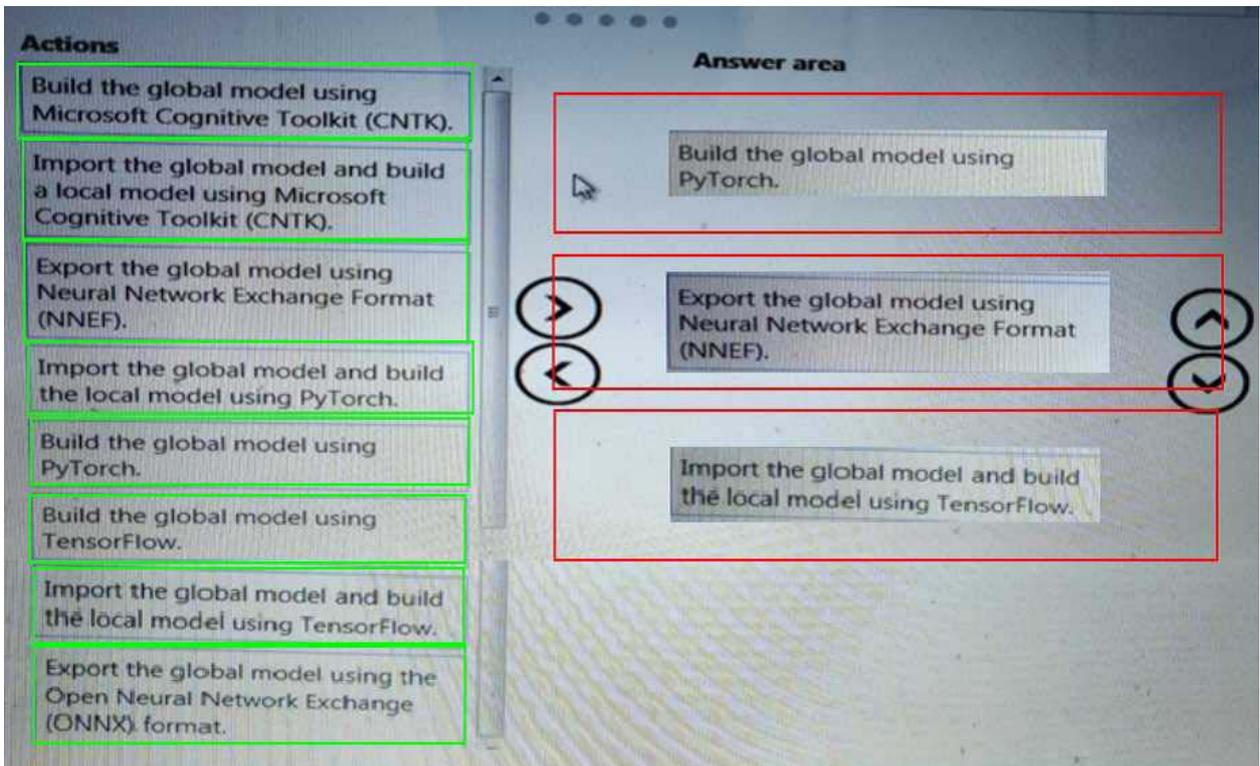
DRAG DROP

You need to define a process for penalty event detection.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Answer:



Question: 5

DRAG DROP

You need to define a process for penalty event detection.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

The screenshot shows a digital interface with two main sections: "Actions" on the left and "Answer area" on the right. The "Actions" section contains six items, each in a box with a right-pointing arrow button to its right:

- Standardize to mono audio clips.
- Vary the length of sliding windows between modeling epochs.
- Vary the length of frequency bands between modeling epochs.
- Use an Inverse Fourier transform on frequency changes over time.
- Use a Fast Fourier transform on frequency changes over time.
- Standardize to stereo audio clips.

The "Answer area" is currently empty and has two circular buttons with up and down arrows on its right side.

Answer:

This screenshot shows the same interface as above, but with three actions moved from the "Actions" list to the "Answer area". The "Actions" list items are highlighted with green boxes. The "Answer area" items are highlighted with red boxes and arranged in the following sequence from top to bottom:

- Vary the length of frequency bands between modeling epochs.
- Standardize to mono audio clips.
- Use an Inverse Fourier transform on frequency changes over time.

The right-pointing arrow buttons on the "Actions" list are now empty, and the up/down arrow buttons in the "Answer area" are active.

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