EXAMUNION

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Q&A

Exam : **AI-900**

Title : Microsoft Azure AI Fundamentals

Version : DEMO

1.Topic 1, Describe Artificial Intelligence workloads and considerations

HOTSPOT
To complete the sentence, select the appropriate option in the answer area.

When developing an AI system for self-driving cars, the Microsoft [▼] principle of the
for responsible AI should be applied to ensure consistent operation
system during unexpected circumstances.

inclusiveness
accountability
reliability and safety
fairness

Answer:

When developing an AI system for self-driving cars, the Microsoft [▼] principle of the
for responsible AI should be applied to ensure consistent operation
system during unexpected circumstances.

inclusiveness
accountability
reliability and safety
fairness

Explanation:
Reliability and safety: To build trust, it's critical that AI systems operate reliably, safely, and consistently under normal circumstances and in unexpected conditions. These systems should be able to operate as they were originally designed, respond safely to unanticipated conditions, and resist harmful manipulation.

2.DRAG DROP
Match the types of AI workloads to the appropriate scenarios.
To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all. NOTE: Each correct selection is worth one point.

Workload Types

| Anomaly detection |
| Computer vision |
| Machine Learning (Regression) |
| Natural language processing |

Answer Area

Workload Type	Identify handwritten letters.
Workload Type	Predict the sentiment of a social media post.
Workload Type	Identify a fraudulent credit card payment.
Workload Type	Predict next month's toy sales.

Answer:

Workload Types

| Anomaly detection |
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| Machine Learning (Regression) |
| Natural language processing |

Answer Area

Computer vision	Identify handwritten letters.
Natural language processing	Predict the sentiment of a social media post.
Anomaly detection	Identify a fraudulent credit card payment.
Machine Learning (Regression)	Predict next month's toy sales.

3.You run a charity event that involves posting photos of people wearing sunglasses on Twitter.

You need to ensure that you only retweet photos that meet the following requirements:

Include one or more faces.

Contain at least one person wearing sunglasses.

What should you use to analyze the images?

A. the Verify operation in the Face service

B. the Detect operation in the Face service

C. the Describe Image operation in the Computer Vision service

D. the Analyze Image operation in the Computer Vision service

Answer: B

Explanation:

Reference: https://docs.microsoft.com/en-us/azure/cognitive-services/face/overview

4.For a machine learning progress, how should you split data for training and evaluation?

A. Use features for training and labels for evaluation.

B. Randomly split the data into rows for training and rows for evaluation.

C. Use labels for training and features for evaluation.

D. Randomly split the data into columns for training and columns for evaluation.
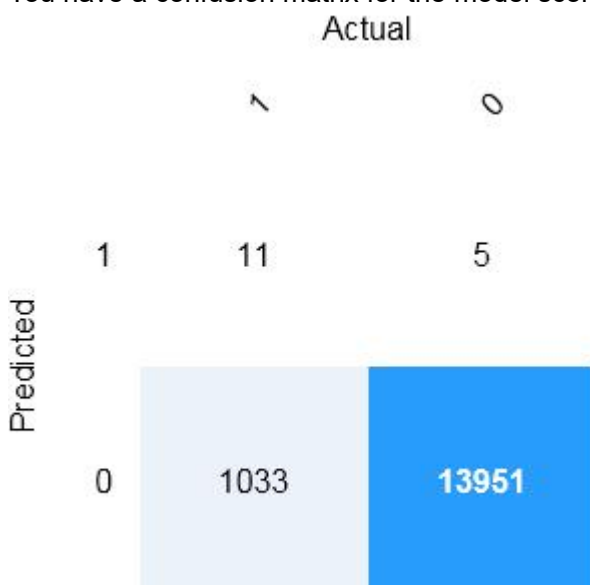
Answer: B

Explanation:

https://docs.microsoft.com/en-us/azure/machine-learning/algorithm-module-reference/split-data

5.HOTSPOT

You are developing a model to predict events by using classification.

You have a confusion matrix for the model scored on test data as shown in the following exhibit.

Actual

1   11   5

Predicted

0   1033   13951

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.

Answer Area

There are **[answer choice]** correctly predicted positives.

5
11
1,033
13,951

There are **[answer choice]** false negatives.

5
11
1,033
13,951

Answer:

Answer Area

There are **[answer choice]** correctly predicted positives.

5
11
1,033
13,951

There are **[answer choice]** false negatives.

5
11
1,033
13,951

Explanation:

For the first statement, "There are [answer choice] correctly predicted positives.", the correct choice is 11. This number represents the true positives, where the model correctly predicted the positive class.
For the second statement, "There are [answer choice] false negatives.", the correct choice is 5. This number represents the cases where the actual class was positive, but the model incorrectly predicted the negative class.