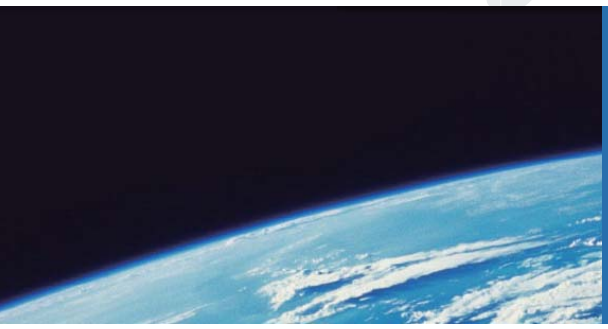

ITTEST

QUESTION & ANSWER

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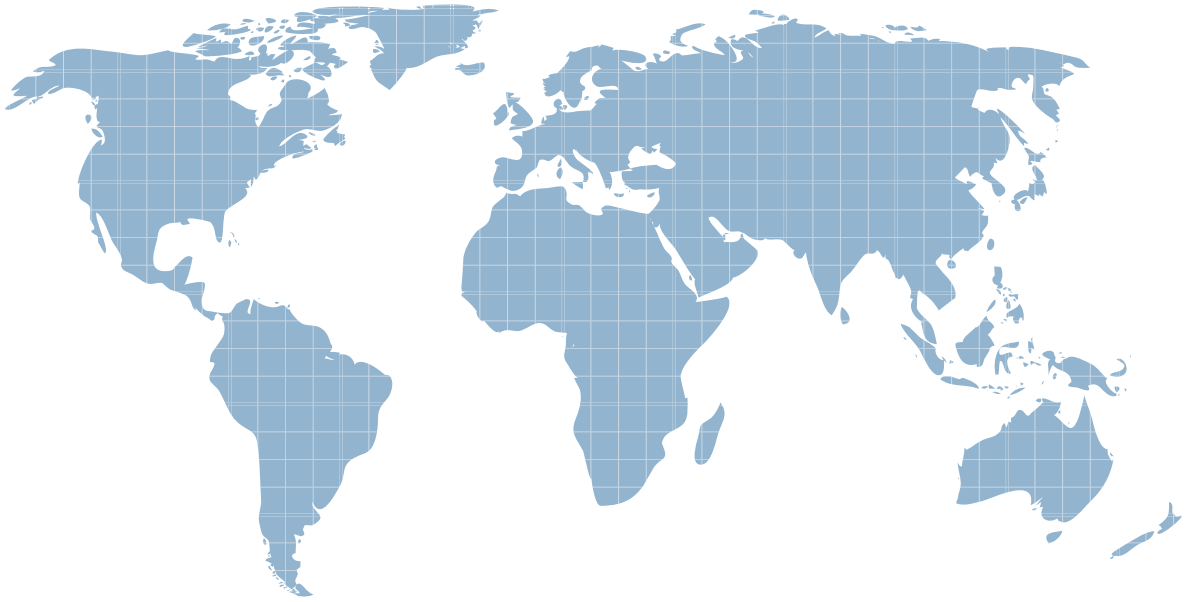

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Exam : **AI-900**

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 for responsible AI should be applied to ensure consistent operation of the system during unexpected circumstances.

- inclusiveness
- accountability
- reliability and safety
- fairness

Answer:

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

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

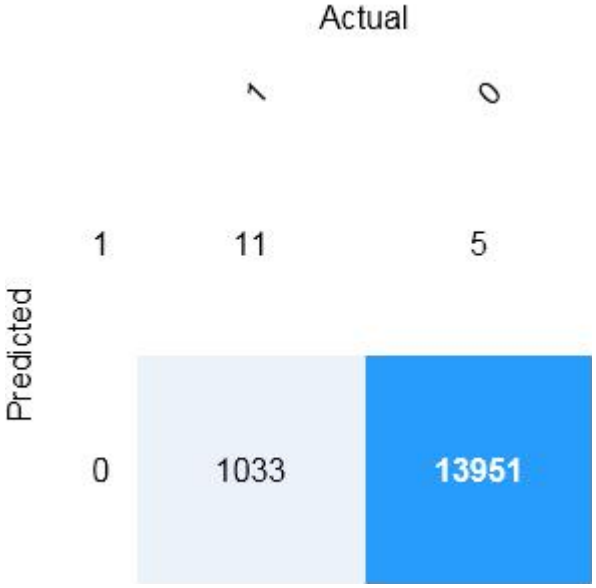
Answer:

Workload Types	Answer Area	
Anomaly detection	Computer vision	Identify handwritten letters.
Computer vision	Natural language processing	Predict the sentiment of a social media post.
Machine Learning (Regression)	Anomaly detection	Identify a fraudulent credit card payment.
Natural language processing	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.



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.