



Microsoft AI-900 Mock Exam

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Question 1

Question Type: MultipleChoice

Your company manufactures widgets.

You have 1.000 digital photos of the widgets.

You need to identify the location of the widgets within the photos.

What should you use?

Options:

- A- Computer Vision Spatial Analysis
- B- Custom Vision object detection
- C- Custom Vision classification
- D- Computer Vision Image Analysis

Answer:

B

Question 2

Question Type: MultipleChoice

You need to track multiple versions of a model that was trained by using Azure Machine Learning.
What should you do?

Options:

- A- Provision an inference duster.
- B- Explain the model.
- C- Register the model.
- D- Register the training data.

Answer:

C

Question 3

Question Type: MultipleChoice

What is an example of unsupervised machine learning?

Options:

- A- classification
- B- clustering
- C- regression

Answer:

B

Question 4

Question Type: MultipleChoice

Which machine learning technique can be used for anomaly detection?

Options:

- A- A machine learning technique that understands written and spoken language.
- B- A machine learning technique that classifies objects based on user supplied images.
- C- A machine learning technique that analyzes data over time and identifies unusual changes.
- D- A machine learning technique that classifies images based on their contents.

Answer:

C

Question 5

Question Type: MultipleChoice

A medical research project uses a large anonymized dataset of brain scan images that are categorized into predefined brain haemorrhage types.

You need to use machine learning to support early detection of the different brain haemorrhage types in the images before the images are reviewed by a person.

This is an example of which type of machine learning?

Options:

- A- clustering
- B- regression
- C- classification

Answer:

C

Explanation:

<https://docs.microsoft.com/en-us/learn/modules/create-classification-model-azure-machine-learning-designer/introduction>

Question 6

Question Type: MultipleChoice

You have a website that includes customer reviews.

You need to store the reviews in English and present the reviews to users in their respective language by recognizing each user's geographical location.

Which type of natural language processing workload should you use?

Options:

- A- translation
- B- language modeling
- C- key phrase extraction
- D- speech recognition

Answer:

C

Question 7

Question Type: MultipleChoice

When you design an AI system to assess whether loans should be approved, the factors used to make the decision should be explainable.

This is an example of which Microsoft guiding principle for responsible AI?

Options:

- A- transparency
- B- inclusiveness
- C- fairness
- D- privacy and security

Answer:

A

Explanation:

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it to be reproduced in a transparent way.

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai>

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/strategy/responsible-ai>

Question 8

Question Type: MultipleChoice

What is a form of unsupervised machine learning?

Options:

- A- multiclass classification
- B- clustering
- C- binary classification
- D- regression

Answer:

B



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