

## AI-900<sup>Q&As</sup>

Microsoft Azure AI Fundamentals

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## QUESTION 1

You need to identify street names based on street signs in photographs. Which type of computer vision should you use?

- A. object detection
- B. optical character recognition (OCR)
- C. image classification
- D. facial recognition

Correct Answer: C

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## QUESTION 2

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

### Answer Area

Object detection
Image description
Image classification
Optical character recognition (OCR)

is used to identify multiple types of items in one image.

Correct Answer:

### Answer Area

Object detection
Image description
Image classification
Optical character recognition (OCR)

is used to identify multiple types of items in one image.

### QUESTION 3

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.

Select and Place:

#### Workloads Types

- Anomaly detection
- Computer vision
- Conversational AI
- Knowledge mining
- Natural language processing

#### Answer Area

- Workload Type: An automated chat to answer questions about refunds and exchange
- Workload Type: Determining whether a photo contains a person
- Workload Type: Determining whether a review is positive or negative

Correct Answer:

## Workloads Types

Anomaly detection

Knowledge mining

## Answer Area

Conversational AI

An automated chat to answer questions about refunds and exchange

Computer vision

Determining whether a photo contains a person

Natural language processing

Determining whether a review is positive or negative

Box 1: Knowledge mining

You can use Azure Cognitive Search's knowledge mining results and populate your knowledge base of your chatbot.

Box 3: Natural language processing

Natural language processing (NLP) is used for tasks such as sentiment analysis, topic detection, language detection, key phrase extraction, and document categorization.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing>

## QUESTION 4

When training a model, why should you randomly split the rows into separate subsets?

- A. to train the model twice to attain better accuracy
- B. to train multiple models simultaneously to attain better performance
- C. to test the model by using data that was not used to train the model

Correct Answer: C

The goal is to produce a trained (fitted) model that generalizes well to new, unknown data. The fitted model is evaluated using "new" examples from the held-out datasets (validation and test datasets) to estimate the model's accuracy in

classifying new data.

[https://en.wikipedia.org/wiki/Training,\\_validation,\\_and\\_test\\_sets#:~:text=Training%20dataset,A%20training%20dataset andtext=The%20goal%20is%20to%20produce,accuracy%20in%20classifying%20new%20data.](https://en.wikipedia.org/wiki/Training,_validation,_and_test_sets#:~:text=Training%20dataset,A%20training%20dataset andtext=The%20goal%20is%20to%20produce,accuracy%20in%20classifying%20new%20data.)

## QUESTION 5

CORRECT TEXT

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

Computer vision capabilities can be Deployed to\_\_\_\_\_

- A. Integrate a facial recognition feature into an app.
- B. placeholder
- C. placeholder
- D. placeholder

Correct Answer: A

Integrate a facial recognition feature into an app.

Computer vision capabilities can be deployed to  ▼

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