

AI-900^{Q&As}

Microsoft Azure AI Fundamentals

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QUESTION 1

You have a bot that identifies the brand names of products in images of supermarket shelves. Which service does the bot use?

- A. AI enrichment for Azure Search capabilities
- B. Computer Vision Image Analysis capabilities
- C. Custom Vision Image Classification capabilities
- D. Language Understanding capabilities

Correct Answer: C

Explanation:

Brand detection is a specialized mode of object detection that uses a database of thousands of global logos to identify commercial brands in images or video. You can use this feature, for example, to discover which brands are most popular

on social media or most prevalent in media product placement.

The Azure AI Vision service detects whether there are brand logos in a given image; if there are, it returns the brand name, a confidence score, and the coordinates of a bounding box around the logo.

The built-in logo database covers popular brands in consumer electronics, clothing, and more. If you find that the brand you're looking for is not detected by the Azure AI Vision service, you could also try creating and training your own logo detector using the Custom Vision service.

Reference:

<https://learn.microsoft.com/en-us/azure/ai-services/computer-vision/concept-brand-detection>

QUESTION 2

You have a solution that reads manuscripts in different languages and categorizes the manuscripts based on topic. Which types of natural language processing (NLP) workloads does the solution use?

- A. speech recognition and entity recognition
- B. speech recognition and language modeling
- C. translation and key phrase extraction
- D. translation and sentiment analysis

Correct Answer: C

Natural language processing (NLP) has many uses: sentiment analysis, topic detection, language detection, key phrase extraction, and document categorization.

Need translation as different languages are used.

Key phrase extraction is one of the features offered by Azure Cognitive Service for Language, a collection of machine learning and AI algorithms in the cloud for developing intelligent applications that involve written language. Use key phrase

extraction to quickly identify the main concepts in text.

Reference:

<https://learn.microsoft.com/en-us/azure/cognitive-services/language-service/key-phrase-extraction/overview>

QUESTION 3

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Chatbots can support voice input.	<input type="radio"/>	<input type="radio"/>
A separate chatbot is required for each communication channel.	<input type="radio"/>	<input type="radio"/>
Chatbots manage conversation flows by using a combination of natural language and constrained option responses.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
Chatbots can support voice input.	<input checked="" type="radio"/>	<input type="radio"/>
A separate chatbot is required for each communication channel.	<input type="radio"/>	<input checked="" type="radio"/>
Chatbots manage conversation flows by using a combination of natural language and constrained option responses.	<input checked="" type="radio"/>	<input type="radio"/>

QUESTION 4

You need to predict the animal population of an area. Which Azure Machine Learning type should you use?

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

Correct Answer: A

Regression is a supervised machine learning technique used to predict numeric values.

Reference: <https://docs.microsoft.com/en-us/learn/modules/create-regression-model-azure-machine-learning-designer/1-introduction>

QUESTION 5

You are developing a conversational AI solution that will communicate with users through multiple channels including email, Microsoft Teams, and webchat. Which service should you use?

- A. Text Analytics
- B. Azure Bot Service
- C. Translator

D. Form Recognizer

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0>

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