AI-900^{Q&As}

Microsoft Azure AI Fundamentals

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QUESTION 1

Which AI service can you use to extract intent from a user input such as "Call me back later"?

A. Azure Cognitive Search

B. Translator

C. Language

D. Speech

Correct Answer: D

The Cognitive Services Speech SDK provides two ways to recognize intents. An intent is something the user wants to do: book a flight, check the weather, or make a call. Using intent recognition, your applications, tools, and devices can determine what the user wants to initiate or do based on options you define in the Intent Recognizer or Conversational Language Understanding (CLU) model.

1.

 Pattern matching

The Speech SDK provides an embedded pattern matcher that you can use to recognize intents in a very strict way. This is useful for when you need a quick offline solution. This works especially well when the user is going to be trained in

some way or can be expected to use specific phrases to trigger intents.

2.

 Conversational Language Understanding

Conversational language understanding (CLU) enables users to build custom natural language understanding models to predict the overall intention of an incoming utterance and extract important information from it.

Both a Speech resource and Language resource are required to use CLU with the Speech SDK. The Speech resource is used to transcribe the user\\'s speech into text, and the Language resource is used to recognize the intent of the utterance.

Reference: https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/intent-recognition

QUESTION 2

An app that analyzes social media posts to identify their tone is an example of which type of natural language processing (NLP) workload?

A. sentiment analysis

B. speech recognition

C. key phrase extraction

D. entity recognition

Correct Answer: A

Sentiment analysis is analytical technique that uses statistics, natural language processing, and machine learning to determine the emotional meaning of communications. Companies use sentiment analysis to evaluate customer messages, call center interactions, online reviews, social media posts, and other content.

Reference: https://www.cio.com/article/189218/what-is-sentiment-analysis-using-nlp-and-ml-to-extract-meaning.html

QUESTION 3

HOTSPOT

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

Hot Area:

Answer Area

Azure Machine Learning designer lets you create machine learning models by

adding and connecting modules on a visual canvas.
automatically performing common data preparation tasks.
automatically selecting an algorithm to build the most accurate model.
using a code-first notebook experience.

Correct Answer:

Answer Area

Azure Machine Learning designer lets you create machine learning models by

adding and connecting modules on a visual canvas.
automatically performing common data preparation tasks.
automatically selecting an algorithm to build the most accurate model.
using a code-first notebook experience.

Reference: https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer

QUESTION 4

You have an Internet of Things (loT) device that monitors engine temperature.

The device generates an alert if the engine temperature deviates from expected norms.

Which type of AI workload does the device represent?

A. natural language processing (NLP)

B. computer vision

C. anomaly detection

D. knowledge mining

Correct Answer: C

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	integrate a facial recognition feature into an app. ▼