AI-900^{Q&As}

Microsoft Azure AI Fundamentals

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QUESTION 1

You have a webchat bot that provides responses from a QnA Maker knowledge base.

You need to ensure that the bot uses user feedback to improve the relevance of the responses over time.

What should you use?

A. key phrase extraction

B. sentiment analysis

C. business logic

D. active learning

Correct Answer: D

Reference: https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/improve-knowledge-base

QUESTION 2

You have an AI solution that provides users with the ability to control smart devices by using verbal commands.

Which two types of natural language processing (NLP) workloads does the solution use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. text-to-speech

B. key phrase extraction

C. speech-to-text

D. language modeling

E. translation

Correct Answer: BC

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. For example, in the text "The food was delicious and the staff were wonderful.", key phrase extraction will return the main topics: "food" and "wonderful staff".

Reference: https://docs.microsoft.com/en-us/azure/cognitive-services/language-service/key-phrase-extraction/overview

QUESTION 3

DRAG DROP

You plan to apply Text Analytics API features to a technical support ticketing system.

Match the Text Analytics API features to the appropriate natural language processing scenarios.

To answer, drag the appropriate feature from the column on the left to its scenario on the right. Each feature may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

API Features	Answer Area	
Entity recognition	API Feature	Understand how upset a customer is based on the text contained in the support ticket.
Key phrase extraction	API Feature	Summarize important information from the support ticket.
Language detection	API Feature	Extract key dates from the support ticket.
Sentiment analysis		

Correct Answer:

API Features	Answer Area	
	Sentiment analysis	Understand how upset a customer is based on the text contained in the support ticket.
	Key phrase extraction	Summarize important information from the support ticket.
Language detection	Entity recognition	Extract key dates from the support ticket.

Box1: Sentiment analysis

Sentiment Analysis is the process of determining whether a piece of writing is positive, negative or neutral.

Box 2: Broad entity extraction

Broad entity extraction: Identify important concepts in text, including key

Key phrase extraction/ Broad entity extraction: Identify important concepts in text, including key phrases and named entities such as people, places, and organizations.

Box 3: Entity Recognition

Named Entity Recognition: Identify and categorize entities in your text as people, places, organizations, date/time, quantities, percentages, currencies, and more. Well-known entities are also recognized and linked to more information on the

web.

Reference:

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

https://azure.microsoft.com/en-us/services/cognitive-services/text-analytics

QUESTION 4

CORRECT TEXT

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

Using Recency, Frequency, and Monetary (RFM) values to identify segments of a customer base is an example of_____

A. classification

B. placeholder

C. placeholder

D. placeholder

Correct Answer: A

Classification

QUESTION 5

In which two scenarios can you use the Form Recognizer service? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Identify the retailer from a receipt

B. Translate from French to English

C. Extract the invoice number from an invoice

D. Find images of products in a catalog

Correct Answer: AC

Reference: https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/overview?tabs=v2-1

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