

AI-900^{Q&As}

Microsoft Azure AI Fundamentals

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QUESTION 1

Natural language processing can be used to _____. Select the answer that correctly completes the sentence.

- A. Analyze video content
- B. Generate speech
- C. Classify email messages as work-related or personal.
- D. Classify images

Correct Answer: C

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

Note: Specifically, you can use NLP to:

*-> Classify documents. For instance, you can label documents as sensitive or spam.

Do subsequent processing or searches. You can use NLP output for these purposes.

Summarize text by identifying the entities that are present in the document.

Tag documents with keywords. For the keywords, NLP can use identified entities.

Do content-based search and retrieval. Tagging makes this functionality possible.

Summarize a document's important topics. NLP can combine identified entities into topics.

Categorize documents for navigation. For this purpose, NLP uses detected topics.

Enumerate related documents based on a selected topic. For this purpose, NLP uses detected topics.

Score text for sentiment. By using this functionality, you can assess the positive or negative tone of a document.

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

QUESTION 2

You need to make the written press releases of your company available in a range of languages. Which service should you use?

- A. Speech
- B. Language
- C. Translator
- D. Personalizer

Correct Answer: C

Translator, an AI service for real-time document and text translation.

Translate text instantly or in batches across more than 100 languages, powered by the latest innovations in machine translation. Support a wide range of use cases, such as translation for call centers, multilingual conversational agents, or inapp communication.

Reference: <https://azure.microsoft.com/en-us/services/cognitive-services/translator/4>

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
You can use the Speech service to transcribe a call to text.	<input type="radio"/>	<input type="radio"/>
You can use the Text Analytics service to extract key entities from a call transcript.	<input type="radio"/>	<input type="radio"/>
You can use the Speech service to translate the audio of a call to a different language.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
You can use the Speech service to transcribe a call to text.	<input checked="" type="radio"/>	<input type="radio"/>
You can use the Text Analytics service to extract key entities from a call transcript.	<input checked="" type="radio"/>	<input type="radio"/>
You can use the Speech service to translate the audio of a call to a different language.	<input checked="" type="radio"/>	<input type="radio"/>

Reference: <https://docs.microsoft.com/en-gb/azure/cognitive-services/text-analytics/overview>
<https://azure.microsoft.com/en-gb/services/cognitive-services/speech-services/>

QUESTION 4

You need to build an app that will read recipe instructions aloud to support users who have reduced vision. Which version service should you use?

- A. Text Analytics
- B. Translator Text
- C. Speech
- D. Language Understanding (LUIS)

Correct Answer: C

Reference: <https://azure.microsoft.com/en-us/services/cognitive-services/text-to-speech/#features>

QUESTION 5

You run a charity event that involves posting photos of people wearing sunglasses on Twitter. You need to ensure that you only retweet photos that meet the following requirements:

1.
Include one or more faces.
2.
Contain at least one person wearing sunglasses. What should you use to analyze the images?

- A. the Verify operation in the Face service
- B. the Detect operation in the Face service
- C. the Describe Image operation in the Computer Vision service
- D. the Analyze Image operation in the Computer Vision service

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/face/overview>

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