



AI-900^{Q&As}

Microsoft Azure AI Fundamentals

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QUESTION 1

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
Organizing documents into groups based on similarities of the text contained in the documents is an example of clustering.	<input type="radio"/>	<input type="radio"/>
Grouping similar patients based on symptoms and diagnostic test results is an example of clustering.	<input type="radio"/>	<input type="radio"/>
Predicting whether a person will develop mild, moderate, or severe allergy symptoms based on pollen count is an example of clustering.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
Organizing documents into groups based on similarities of the text contained in the documents is an example of clustering.	<input checked="" type="radio"/>	<input type="radio"/>
Grouping similar patients based on symptoms and diagnostic test results is an example of clustering.	<input checked="" type="radio"/>	<input type="radio"/>
Predicting whether a person will develop mild, moderate, or severe allergy symptoms based on pollen count is an example of clustering.	<input type="radio"/>	<input checked="" type="radio"/>

Clustering is a machine learning task that is used to group instances of data into clusters that contain similar characteristics. Clustering can also be used to identify relationships in a dataset

Regression is a machine learning task that is used to predict the value of the label from a set of related features.



Reference:

<https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks>

QUESTION 2

DRAG DROP

Match the principles of responsible AI to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Select and Place:

Fairness	AI systems must consistently operate as intended, even under unexpected conditions.
Inclusiveness	
Privacy and security	AI systems must protect and secure personal and businesses information.
Reliability and safety	

Correct Answer:

Fairness	AI systems must consistently operate as intended, even under unexpected conditions.
Inclusiveness	Reliability and safety
	AI systems must protect and secure personal and businesses information.
	Privacy and security

Box 1: Reliability and safety

Reliability and safety: AI systems should perform reliably and safely.

Box 2: Privacy and security



Privacy and security: AI systems should be secure and respect privacy.

Incorrect:

Inclusiveness: AI systems should empower everyone and engage people.

Fairness: AI systems should treat all people fairly.

Reference: <https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/strategy/responsible-ai>

QUESTION 3

You are developing a solution that uses the Text Analytics service.

You need to identify the main talking points in a collection of documents.

Which type of natural language processing should you use?

- A. entity recognition
- B. key phrase extraction
- C. sentiment analysis
- D. language detection

Correct Answer: B

What is document and conversation summarization (preview), key features There are two types of document summarization this API provides:

*

Extractive summarization: Produces a summary by extracting salient sentences within the document.

-> Multiple extracted sentences: These sentences collectively convey the main idea of the document. They're original sentences extracted from the input document's content.

-> Etc.

*

Abstractive summarization

Reference:

<https://learn.microsoft.com/en-us/azure/cognitive-services/language-service/summarization/overview?tabs=document-summarization>

QUESTION 4

You plan to develop a bot that will enable users to query a knowledge base by using natural language processing.

Which two services should you include in the solution? Each correct answer presents part of the solution. NOTE: Each



correct selection is worth one point.

- A. QnA Maker
- B. Azure Bot Service
- C. Form Recognizer
- D. Anomaly Detector

Correct Answer: AB

Reference: <https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0> <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/choose-natural-language-processing-service>

QUESTION 5

You have a website that includes customer reviews.

You need to store the reviews in English and present the reviews to users in their respective language by recognizing each user's geographical location.

Which type of natural language processing workload should you use?

- A. key phrase extraction
- B. speech recognition
- C. language modeling
- D. translation

Correct Answer: A

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