AI-900^{Q&As}

Microsoft Azure AI Fundamentals

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QUESTION 1

HOTSPOT

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

Hot Area:

Answer Area

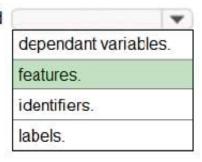Data values that influence the prediction of a model are called [dropdown]

- dependant variables.
- features.
- identifiers.
- labels.

Correct Answer:

Answer Area

Data values that influence the prediction of a model are called [dropdown]

- dependant variables.
- features.
- identifiers.
- labels.

Reference:

https://www.baeldung.com/cs/feature-vs-label

https://machinelearningmastery.com/discover-feature-engineering-how-to-engineer-features-and-how-to-get-good-at-it/

QUESTION 2

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.	O	O
You can use the Text Analytics service to extract key entities from a call transcript.	O	O
You can use the Speech service to translate the audio of a call to a different language.	O	O

Correct Answer:

Answer Area

Statements	Yes	No
You can use the Speech service to transcribe a call to text.	O	O
You can use the Text Analytics service to extract key entities from a call transcript.	O	O
You can use the Speech service to translate the audio of a call to a different language.	O	O

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 3

You have an AI-based loan approval system.

During testing, you discover that the system has a gender bias.

Which responsible AI principle does this violate?

A. accountability

B. reliability and safety

C. transparency

D. fairness

Correct Answer: D

Fairness - AI systems should treat all people fairly

Incorrect: Accountability - People should be accountable for AI systems Reliability and Safety - AI systems should perform reliably and safely Transparency - AI systems should be understandable

Reference: https://dataninja.medium.com/6-principles-of-responsible-ai-b90f745b73dc

QUESTION 4

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
A bot that responds to queries by internal users is an example of a natural language processing workload.	○	○
A mobile application that displays images relating to an entered search term is an example of a natural language processing workload.	○	○
A web form used to submit a request to reset a password is an example of a natural language processing workload.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
A bot that responds to queries by internal users is an example of a natural language processing workload.	⬤	◯
A mobile application that displays images relating to an entered search term is an example of a natural language processing workload.	⬤	◯
A web form used to submit a request to reset a password is an example of a natural language processing workload.	◯	⬤

QUESTION 5

You plan to build a conversational AI solution that can be surfaced in Microsoft Teams, Microsoft Cortana, and Amazon Alexa. Which service should you use?

A. Azure Bot Service

B. Azure Cognitive Search

C. Speech

D. Language service

Correct Answer: A

Build an enterprise-grade conversational bot

This reference architecture describes how to build an enterprise-grade conversational bot (chatbot) using the Azure Bot Framework.

Authentication. Users start by authenticating themselves using whatever mechanism is provided by their channel of communication with the bot. The bot framework supports many communication channels, including Cortana, Microsoft

Teams, Facebook Messenger, Kik, and Slack.

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