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Question 1

Which machine learning technique can be used for anomaly detection?

Options:

A- A machine learning technique that understands written and spoken language.

B- A machine learning technique that classifies objects based on user supplied images.

C- A machine learning technique that analyzes data over time and identifies unusual changes.

D- A machine learning technique that classifies images based on their contents.

Answer:

C

Question 2

You have a custom question answering solution.

You create a bot that uses the knowledge base to respond to customer requests. You need to identify what the bot can perform without adding additional skills. What should you identify?

Options:

A- Register customer complaints.

B- Answer questions from multiple users simultaneously.

C- Register customer purchases.

D- Provide customers with return materials authorization (RMA) numbers.

Answer:

B

Question 3

Question Type: **MultipleChoice**

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?

Options:

A- accountability

B- transparency

C- fairness

D- reliability and safety

Answer:

C

Question 4

Question Type: MultipleChoice

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- key phrase extraction

C- entity recognition

D- speech recognition

Answer:

A

Question 5

Question Type: DragDrop

Match the Azure Cognitive Services to the appropriate AI workloads.

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

NOTE: Each correct match is worth one point.

Services	Answer Area	
Custom Vision n		Identify objects in an image.
Answer:		Automatically import data from an invoice to a database.
Form Recognizer izer		Identify people in an image.

Question 6

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.

Options:

A- text-to-speech

B- translation

C- language modeling

D- key phrase extraction

E- speech-to-text

Question 7

Question Type: Hotspot

brectly completes the sentence.

Answer Area

A historian can use [facial analysis / image classification / object detection / optical character recognition (OCR)] to digitize newspaper articles.
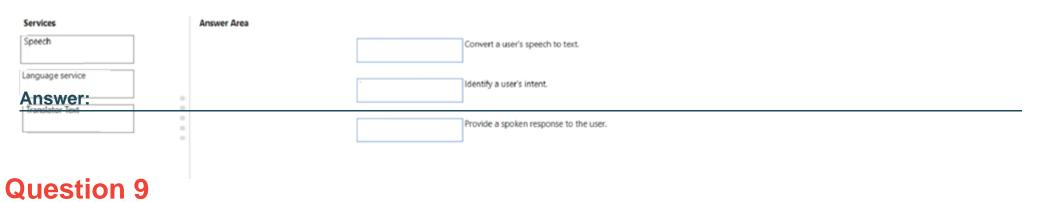
Answer:

Question 8

Question Type: DragDrop

Match the Azure Cognitive Services service to the appropriate actions.

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

NOTE: Each correct match is worth one point.

Services

| Speech |

| Language service |

Answer:

| Translator Text |

Answer Area

| | Convert a user's speech to text. |

| | Identify a user's intent. |

| | Provide a spoken response to the user. |

Question Type: **MultipleChoice**

You are building a chatbot that will use natural language processing (NLP) to perform the following actions based on the text input of a user:

* Accept customer orders.

* Retrieve support documents.

* Retrieve order status updates.

Which type of NLP should you use?

Options:

A- sentiment analysis

B- translation

C- language modeling

D- named entity recognition

Answer:

D