Microsoft

Exam Questions AI-900

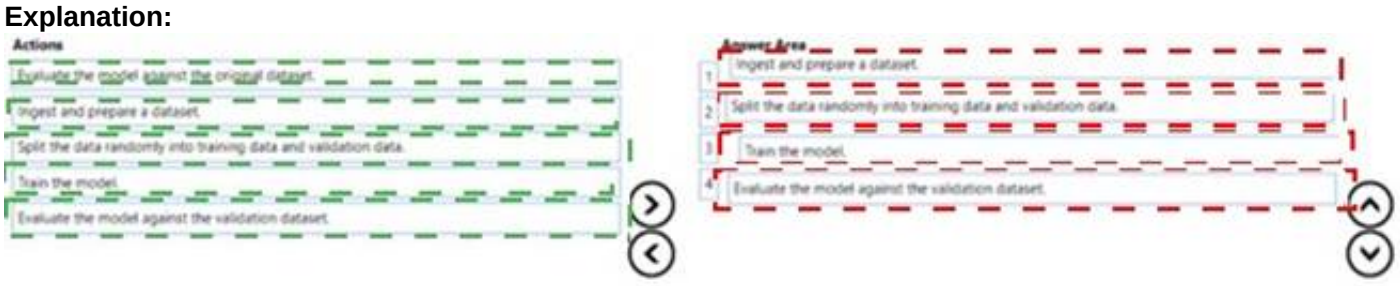
Microsoft Azure AI Fundamentals (beta)

NEW QUESTION 1
DRAG DROP - (Topic 5)
You plan to deploy an Azure Machine Learning model by using the Machine Learning designer
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 2
- (Topic 5)
You plan to build a conversational Al 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. Language service
D. Speech

Answer: A

NEW QUESTION 3
- (Topic 5)
You need to reduce the load on telephone operators by implementing a chatbot to answer simple questions with predefined answers.
Which two AI service should you use to achieve the goal? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Text Analytics
B. QnA Maker
C. Azure Bot Service
D. Translator Text

Answer: BC

Explanation:
Bots are a popular way to provide support through multiple communication channels. You can use the QnA Maker service and Azure Bot Service to create a bot that answers user questions. Reference: https://docs.microsoft.com/en-us/learn/modules/build-faq-chatbot-qna-maker-azure-bot- service/

NEW QUESTION 4
HOTSPOT - (Topic 5)
Select the .

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 5
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

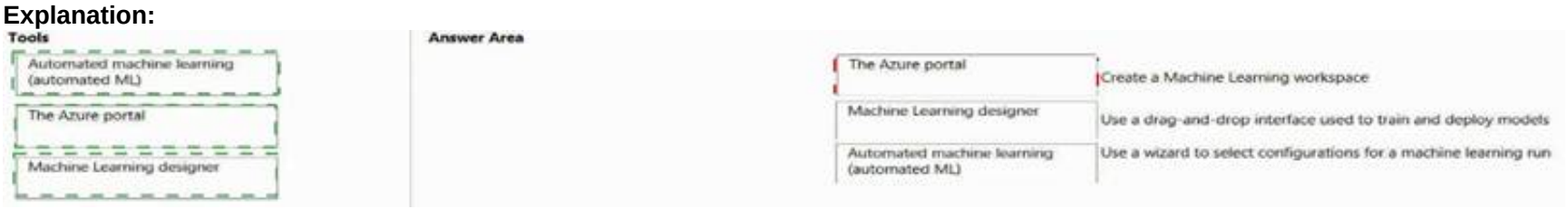
Explanation:

NEW QUESTION 6
DRAG DROP - (Topic 5)
Match the tool to the Azure Machine Learning task.
To answer, drag the appropriate tool from the column on the left to its tasks on the right. Each tool may be used once, more than once, or not at all
NOTE: Each correct match is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 7
HOTSPOT - (Topic 5)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Statements	Yes	No
A restaurant can use a chatbot to empower customers to make reservations by using a website or an app.	○	○
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	○	○
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
A restaurant can use a chatbot to empower customers to make reservations by using a website or an app.	○	○
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	○	○
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	○	○

NEW QUESTION 8
- (Topic 5)
You need to create a customer support solution to help customers access information. The solution must support email, phone, and live chat channels. Which type of Al solution should you use?

A. natural language processing (NLP)
B. computer vision
C. machine learning
D. chatbot

Answer: D

NEW QUESTION 9
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

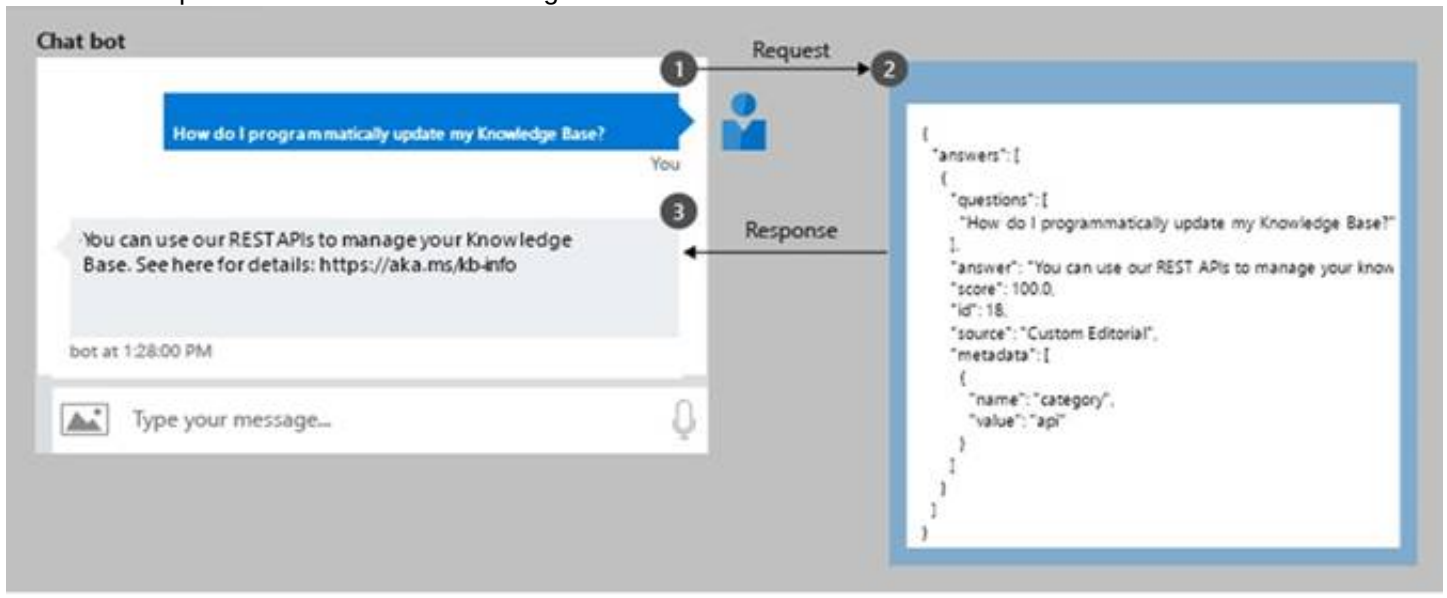
Explanation:

NEW QUESTION 10
- (Topic 5)
Which Computer Vision feature can you use to generate automatic captions for digital photographs?

A. Recognize text.
B. Describe the images.
C. Identify the areas of interest.
D. Detect objects.

Answer: B

NEW QUESTION 11
- (Topic 5)
You have the process shown in the following exhibit.



Which type AI solution is shown in the diagram?

A. a sentiment analysis solution
B. a chatbot
C. a machine learning model
D. a computer vision application

Answer: B

NEW QUESTION 12
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

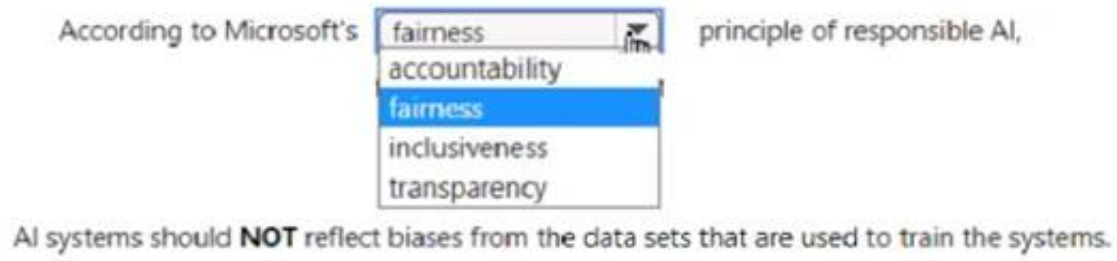
A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 16
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

Answer Area

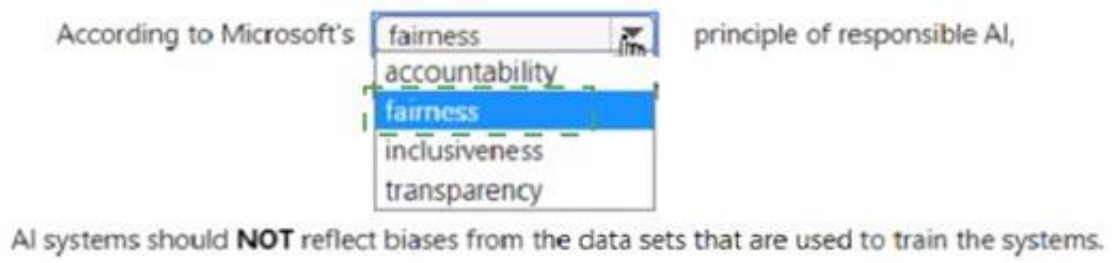


A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 17
- (Topic 5)
You have an Azure Machine Learning pipeline that contains a Split Data module. The Split Data module outputs to a Train Model module and a Score Model module. What is the function of the Split Data module?

A. selecting columns that must be included in the model
B. creating training and validation datasets
C. diverting records that have missing data
D. scaling numeric variables so that they are within a consistent numeric range

Answer: A

NEW QUESTION 18
HOTSPOT - (Topic 5)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The following service call will accept English text as an input and output Italian and French text. `/translate?from=it&to=fr&to=en`	○	○
The following service call will accept English text as an input and output Italian and French text. `/translate?from=en&to=fr&to=it`	○	○
The Translator service can be used to translate documents from English to French.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The following service call will accept English text as an input and output Italian and French text. `/translate?from=it&to=fr&to=en`	○	○
The following service call will accept English text as an input and output Italian and French text. `/translate?from=en&to=fr&to=it`	○	○
The Translator service can be used to translate documents from English to French.	○	○

NEW QUESTION 22
HOTSPOT - (Topic 5)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Statements	Yes	No
Providing an explanation of the outcome of a credit loan application is an example of the Microsoft transparency principle for responsible AI.	○	○
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	○	○
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Providing an explanation of the outcome of a credit loan application is an example of the Microsoft transparency principle for responsible AI.	○	○
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	○	○
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	○	○

NEW QUESTION 23
HOTSPOT - (Topic 5)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE; Each correct selection is worth one point.

Answer Area

Statements	Yes	No
A restaurant can use a chatbot to answer queries through Cortana.	○	○
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	○	○
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
A restaurant can use a chatbot to answer queries through Cortana.	○	○
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	○	○
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	○	○

NEW QUESTION 25
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

Answer Area

Using Recency, Frequency, and Monetary (RFM) values to identify segments of a customer base is an example of [classification. ▼]
- clustering.
- regression.
- classification.
- regularization.

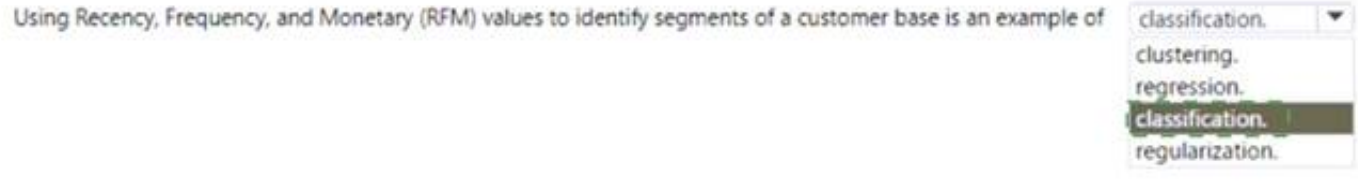
A. Mastered

B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 26
- (Topic 5)
Which type of natural language processing (NLP) entity is used to identify a phone number?

A. regular expression
B. machine-learned
C. list
D. Pattern-any

Answer: C

NEW QUESTION 29
- (Topic 5)
Which machine learning technique can be used for anomaly detection?

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

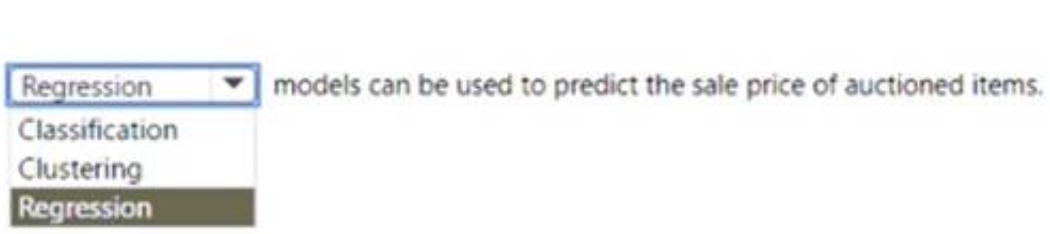
NEW QUESTION 34
- (Topic 5)
You have an Al-based loan approval system.
During testing, you discover that the system has a gender bias. Which responsible Al principle does this violate?

A. accountability
B. transparency
C. fairness
D. reliability and safety

Answer: C

NEW QUESTION 36
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

Answer Area

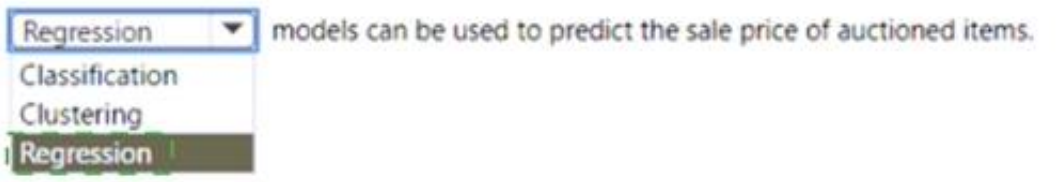


A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 40
- (Topic 5)
You need to reduce the load on telephone operators by implementing a Chabot to answer simple questions with predefined answers.
Which two Al services should you use to achieve the goal? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Azure 8ol Service
B. Azure Machine Learning
C. Translator
D. Language Service

Answer: AD

NEW QUESTION 41
- (Topic 5)
Which Azure Cognitive Services service can be used to identify documents that contain sensitive information?

A. Custom Vision
B. Conversational Language Understanding
C. Form Recognizer

Answer: C

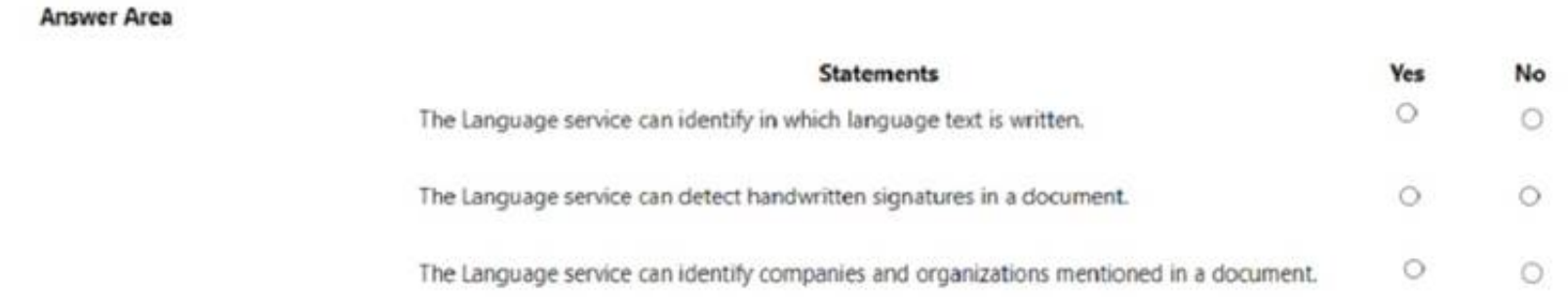
NEW QUESTION 43
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 48
HOTSPOT - (Topic 5)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE; Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

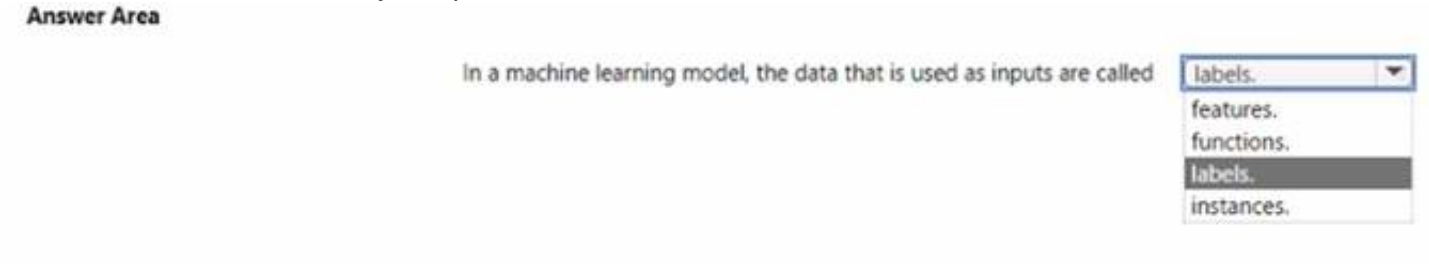
Explanation:

NEW QUESTION 51
- (Topic 5)
You use Azure Machine Learning designer to build a model pipeline. What should you create before you can run the pipeline?

A. a Jupyter notebook
B. a registered model
C. a compute resource

Answer: C

NEW QUESTION 53
HOTSPOT - (Topic 5)
Select the answer that correctly completes the sentence.

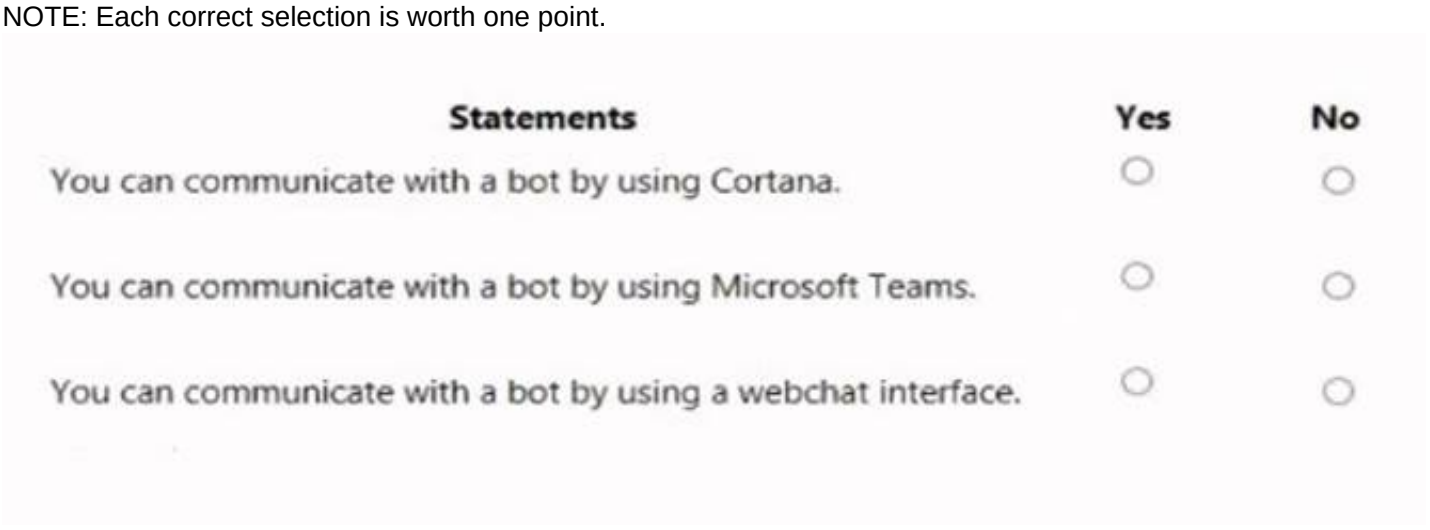


A. Mastered
B. Not Mastered

Answer: A

Explanation:

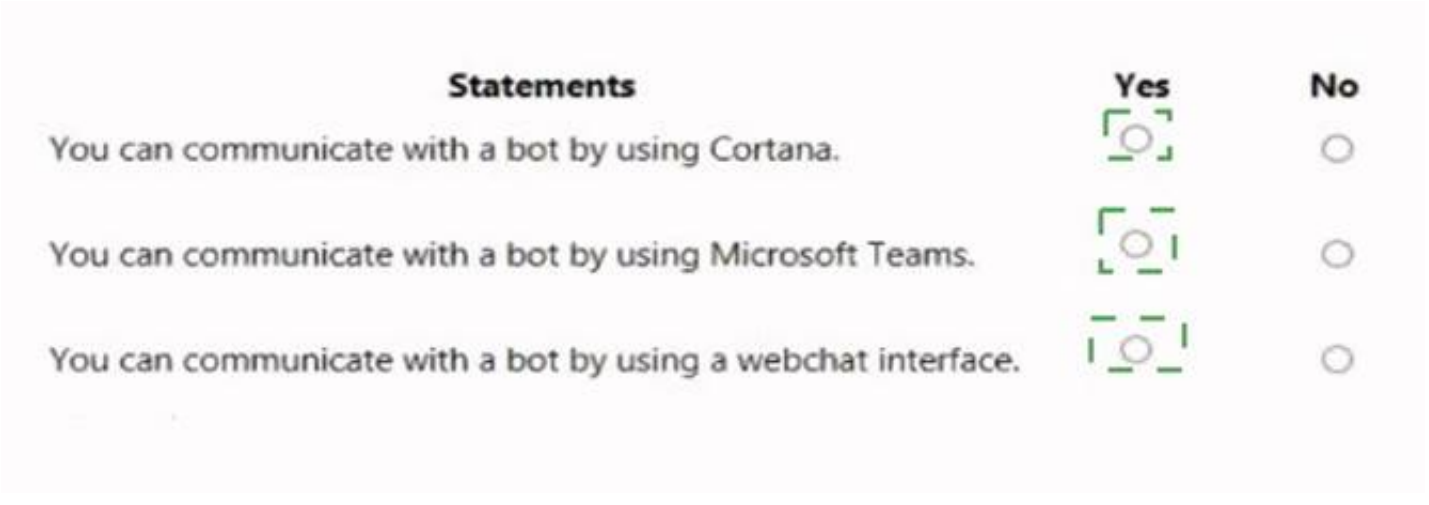
NEW QUESTION 55
HOTSPOT - (Topic 5)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 56
- (Topic 5)
You have a natural language processing (NIP) model that was created by using data obtained without permission.
Which Microsoft principle for responsible Al does this breach?

A. privacy and security
B. inclusiveness
C. transparency
D. reliability and safety

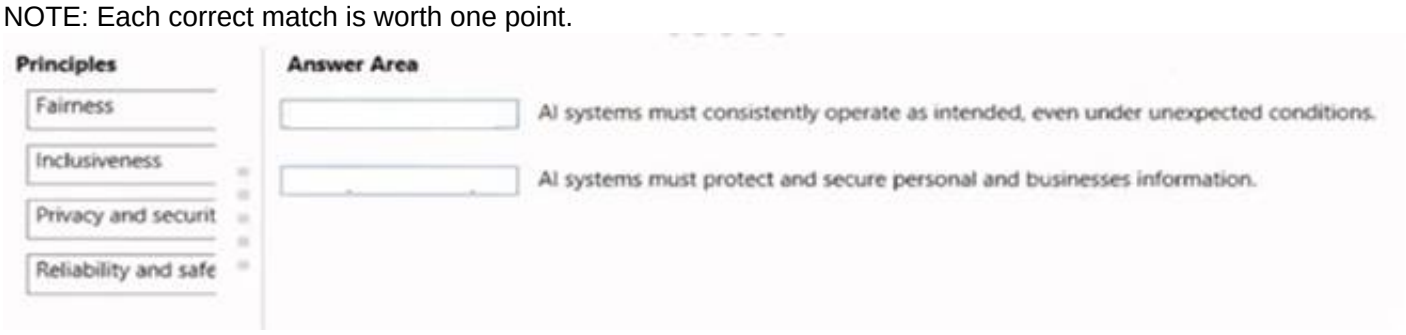
Answer: C

NEW QUESTION 58
- (Topic 5)
You need to track multiple versions of a model that was trained by using Azure Machine Learning. What should you do?

A. Provision an inference duster.
B. Explain the model.
C. Register the model.
D. Register the training data.

Answer: C

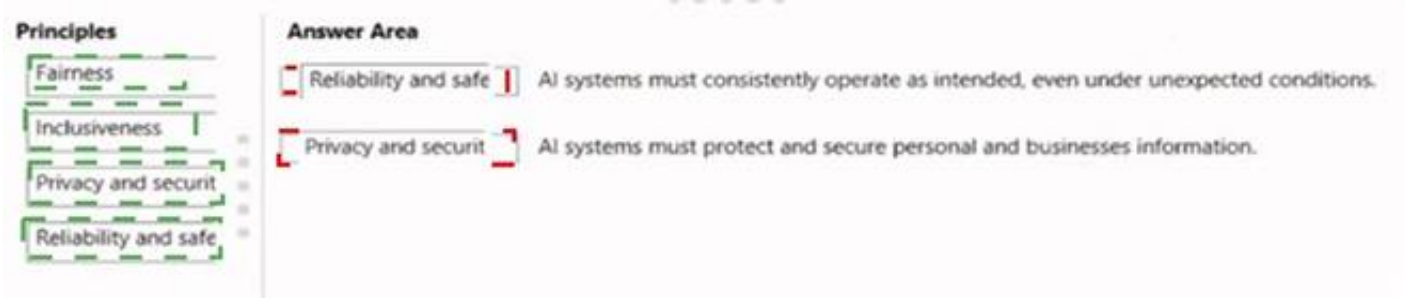
NEW QUESTION 63
DRAG DROP - (Topic 5)
Match the principles of responsible AI to the appropriate descriptions.
To answer, drag the appropriate principle from the column on the left to its description on the right. Each principle may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 64
HOTSPOT - (Topic 5)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE; Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Chatbots can only be built by using custom code.	○	○
The Azure Bot Service provides services that can be used to host conversational bots.	○	○
Bots built by using the Azure Bot Service can communicate with Microsoft Teams users.	○	○

NEW QUESTION 66
HOTSPOT - (Topic 5)
For each of the following statements, select Yes If the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Object detection can identify the location of a damaged product in an image.	○	○
Object detection can identify multiple instances of a damaged product in an image.	○	○
Object detection can identify multiple types of damaged products in an image.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Object detection can identify the location of a damaged product in an image.	○	○
Object detection can identify multiple instances of a damaged product in an image.	○	○
Object detection can identify multiple types of damaged products in an image.	○	○

NEW QUESTION 71
HOTSPOT - (Topic 5)
brectly completes the sentence.

Answer Area

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

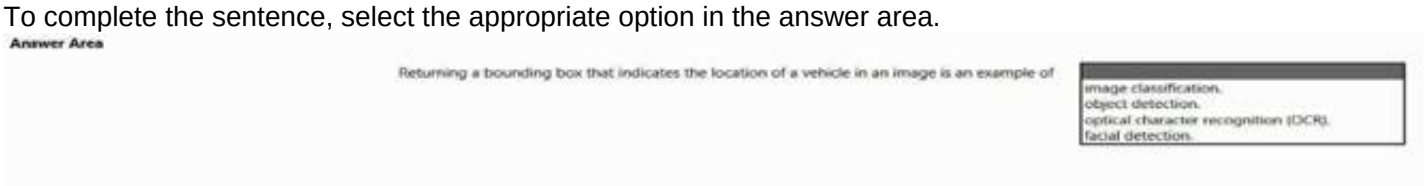
A historian can use [ ] to digitize newspaper articles.
- facial analysis
- image classification
- object detection
- optical character recognition (OCR)

NEW QUESTION 72
- (Topic 5)
Which statement is an example of a Microsoft responsible AJ principle?

A. Al systems must use only publicly available data.
B. Al systems must protect the interests of the company
C. Al systems must be understandable.
D. Al systems must keep personal details public

Answer: C

NEW QUESTION 73
HOTSPOT - (Topic 5)
To complete the sentence, select the appropriate option in the answer area.



A. Mastered
B. Not Mastered

Answer: A

Explanation:

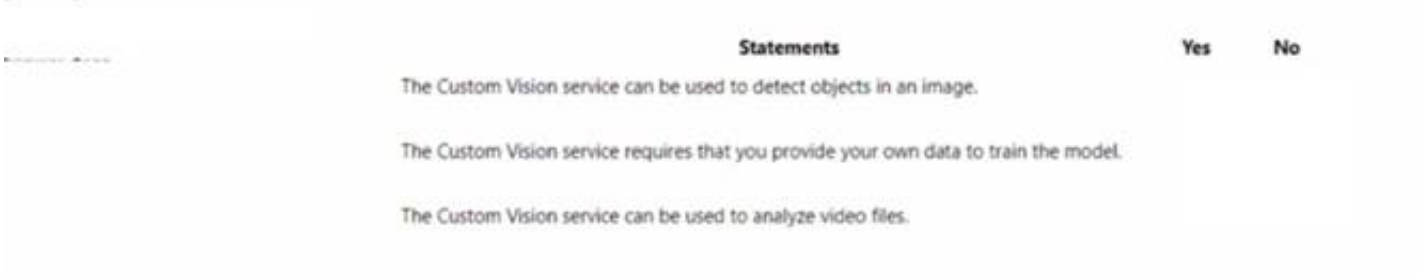
NEW QUESTION 76
HOTSPOT - (Topic 5)
To complete the sentence, select the appropriate option in the answer area.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 79
HOTSPOT - (Topic 5)
For each of the following statements. select Yes if the statement is true. Otherwise, select No. NOTE; Each correct selection is worth one point



A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 83
- (Topic 5)
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?

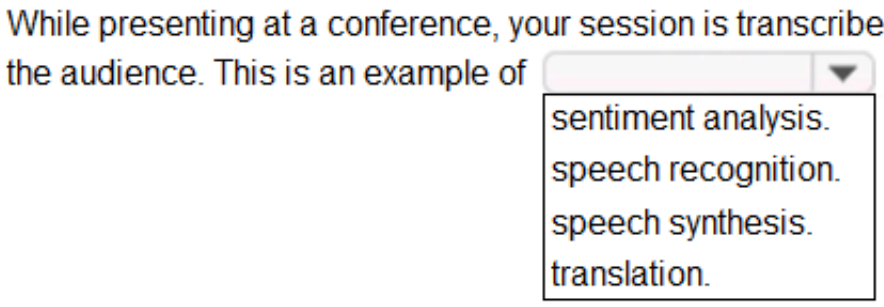
A. key phrase extraction
B. sentiment analysis
C. business logic
D. active learning

Answer: D

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

NEW QUESTION 87
HOTSPOT - (Topic 4)
To complete the sentence, select the appropriate option in the answer area.

Answer Area

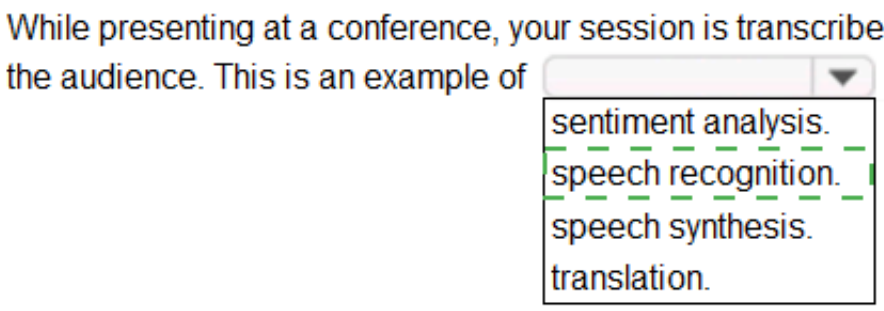


A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 91
- (Topic 5)
You need to provide content for a business chatbot that will help answer simple user queries.
What are three ways to create question and answer text by using QnA Maker? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Generate the questions and answers from an existing webpage.
B. Use automated machine learning to train a model based on a file that contains the questions.
C. Manually enter the questions and answers.
D. Connect the bot to the Cortana channel and ask questions by using Cortana.
E. Import chit-chat content from a predefined data source.

Answer: ACE

Explanation:
Automatic extraction
Extract question-answer pairs from semi-structured content, including FAQ pages, support websites, excel files, SharePoint documents, product manuals and policies.
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/content- types

NEW QUESTION 95
- (Topic 4)
Which AI service can you use to interpret the meaning of a user input such as “Call me back later?”

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

Answer: D

Explanation:
https://docs.microsoft.com/en-us/azure/cognitive-services/luis/what-is-luis

NEW QUESTION 99
HOTSPOT - (Topic 4)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Statements	Yes	No
You can use the Translator service to translate text between languages.	○	○
You can use the Translator service to detect the language of a given text.	○	○
You can use the Translator service to transcribe audible speech into text.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
The translator service provides multi-language support for text translation, transliteration, language detection, and dictionaries.
Speech-to-Text, also known as automatic speech recognition (ASR), is a feature of Speech Services that provides transcription.

NEW QUESTION 103
DRAG DROP - (Topic 4)
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.

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		

A. Mastered
B. Not Mastered

Answer: A

Explanation:
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.

NEW QUESTION 107
- (Topic 4)

You are building a Language Understanding model for an e-commerce business.
You need to ensure that the model detects when utterances are outside the intended scope of the model.
What should you do?

A. Test the model by using new utterances
B. Add utterances to the None intent
C. Create a prebuilt task entity
D. Create a new model

Answer: B

Explanation:
The None intent is filled with utterances that are outside of your domain. Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/LUIS/luis-concept-intent

NEW QUESTION 112
- (Topic 4)
You need to make the press releases of your company available in a range of languages. Which service should you use?

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

Answer: A

Explanation:
Press release is a written communication. Speech wouldn't make sense. Plus, the Speech service doesn't translate languages, it "translates" audio into text, and vice versa.
https://docs.microsoft.com/en-us/learn/modules/translate-text-with-translation-service/2- get-started-azure

NEW QUESTION 115
- (Topic 4)
You are developing a Chabot solution in Azure.
Which service should you use to determine a user's intent?

A. Translator
B. Azure Cognitive Search
C. Speech
D. Language

Answer: B

Explanation:
Language Understanding (LUIS) is a cloud-based API service that applies custom machine-learning intelligence to a user's conversational, natural language text to predict overall meaning, and pull out relevant, detailed information.
Design your LUIS model with categories of user intentions called intents. Each intent needs examples of user utterances. Each utterance can provide data that needs to be extracted with machine-learning entities.
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/luis/what-is-luis

NEW QUESTION 116
- (Topic 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. Language Service
B. Azure Bot Service
C. Form Recognizer
D. Anomaly Detector

Answer: AD

Explanation:
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

NEW QUESTION 119
- (Topic 4)
You have insurance claim reports that are stored as text.
You need to extract key terms from the reports to generate summaries. Which type of Al workload should you use?

A. conversational Al
B. anomaly detection
C. natural language processing
D. computer vision

Answer: C

Explanation:
Key phrase extraction is the concept of evaluating the text of a document, or documents, and then identifying the main talking points of the document(s).
Key phase extraction is a part of Text Analytics. The Text Analytics service is a part of the Azure Cognitive Services offerings that can perform advanced natural language processing over raw text.
https://docs.microsoft.com/en-us/learn/modules/analyze-text-with-text-analytics-service/2-get-started-azure

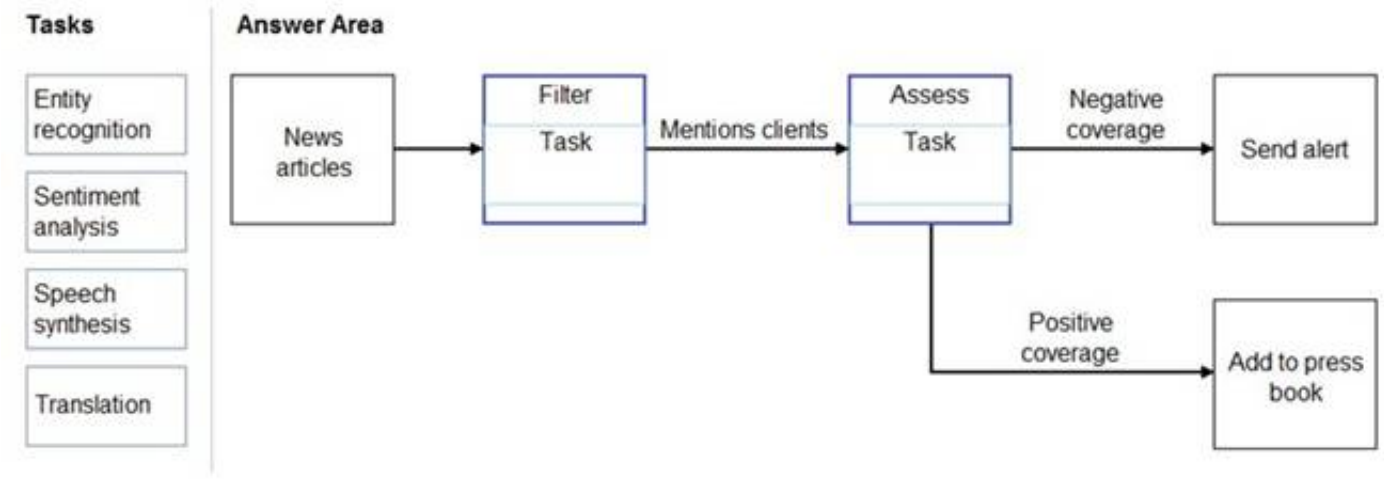
NEW QUESTION 120
- (Topic 4)
You need to build an app that will read recipe instructions aloud to support users who have reduced vision.
Which version service should you use?

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

Answer: C

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

NEW QUESTION 121
DRAG DROP - (Topic 4)
You need to scan the news for articles about your customers and alert employees when there is a negative article. Positive articles must be added to a press book.
Which natural language processing tasks should you use to complete the process? To answer, drag the appropriate tasks to the correct locations. Each task may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Entity recognition
the Named Entity Recognition module in Machine Learning Studio (classic), to identify the names of things, such as people, companies, or locations in a column of text.
Named entity recognition is an important area of research in machine learning and natural language processing (NLP), because it can be used to answer many real-world questions, such as:
? Which companies were mentioned in a news article?
? Does a tweet contain the name of a person? Does the tweet also provide his current location?
? Were specified products mentioned in complaints or reviews?
Box 2: Sentiment Analysis
The Text Analytics API's Sentiment Analysis feature provides two ways for detecting positive and negative sentiment. If you send a Sentiment Analysis request, the API will return sentiment labels (such as "negative", "neutral" and "positive") and confidence scores at the sentence and document-level.

NEW QUESTION 123
- (Topic 3)
You are processing photos of runners in a race.
You need to read the numbers on the runners' shirts to identity the runners in the photos. Which type of computer vision should you use?

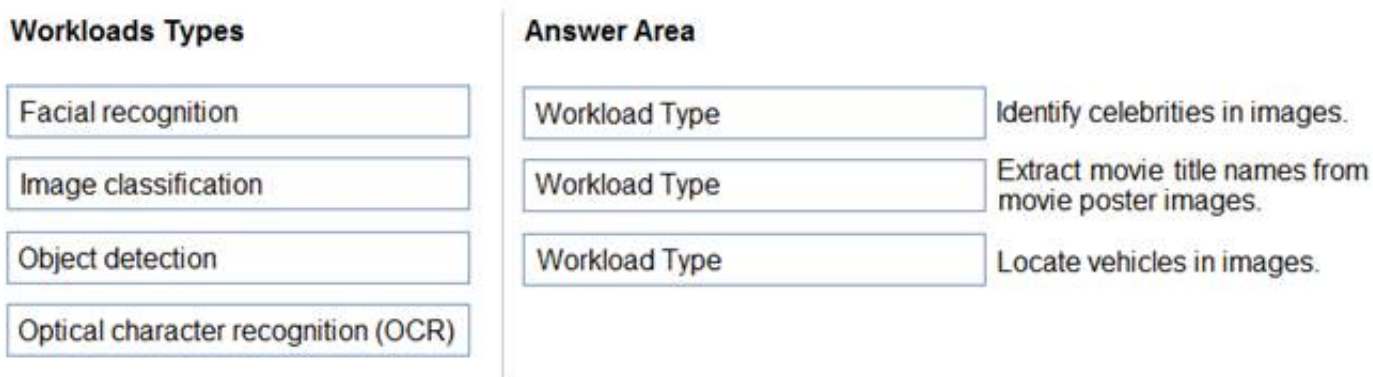
A. facial recognition
B. optical character recognition (OCR)
C. semantic segmentation
D. object detection

Answer: B

Explanation:
Optical character recognition (OCR) allows you to extract printed or handwritten text from images and documents.

Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-ocr

NEW QUESTION 128
DRAG DROP - (Topic 3)
Match the types of computer vision to the appropriate scenarios.
To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.
NOTE: Each correct selection is worth one point.

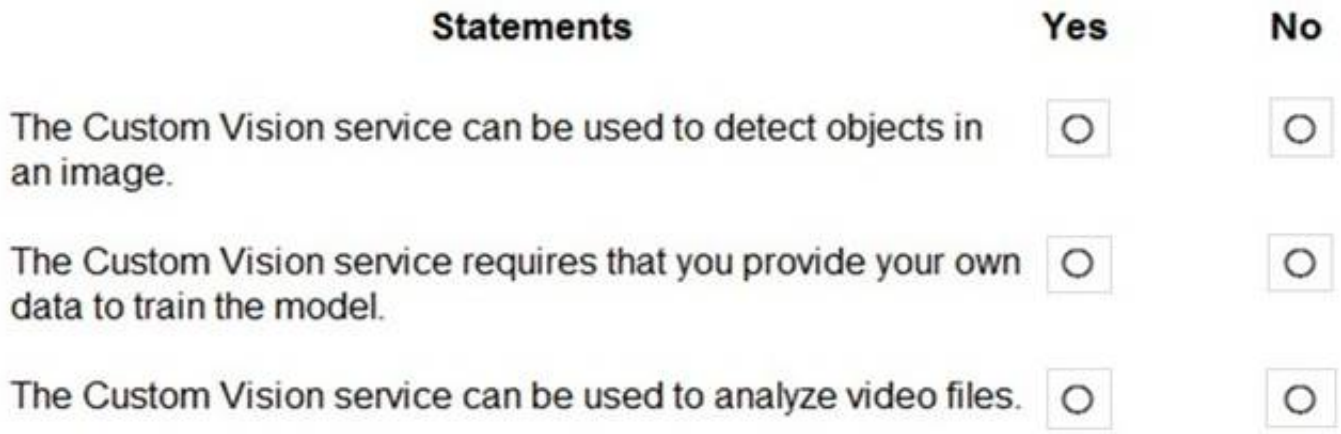


A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Facial recognition
Face detection that perceives faces and attributes in an image; person identification that matches an individual in your private repository of up to 1 million people; perceived emotion recognition that detects a range of facial expressions like happiness, contempt, neutrality, and fear; and recognition and grouping of similar faces in images.
Box 2: OCR
Box 3: Objection detection
Object detection is similar to tagging, but the API returns the bounding box coordinates (in pixels) for each object found. For example, if an image contains a dog, cat and person, the Detect operation will list those objects together with their coordinates in the image. You can use this functionality to process the relationships between the objects in an image. It also lets you determine whether there are multiple instances of the same tag in an image.
The Detect API applies tags based on the objects or living things identified in the image. There is currently no formal relationship between the tagging taxonomy and the object detection taxonomy. At a conceptual level, the Detect API only finds objects and living things, while the Tag API can also include contextual terms like "indoor", which can't be localized with bounding boxes.

NEW QUESTION 131
HOTSPOT - (Topic 3)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Yes
Custom Vision functionality can be divided into two features. Image classification applies one or more labels to an image. Object detection is similar, but it also returns the coordinates in the image where the applied label(s) can be found.
Box 2: Yes
The Custom Vision service uses a machine learning algorithm to analyze images. You, the developer, submit groups of images that feature and lack the characteristics in question. You label the images yourself at the time of submission. Then, the algorithm trains to this data and calculates its own accuracy by testing itself on those same images.
Box 3: No
Custom Vision service can be used only on graphic files.

NEW QUESTION 133
HOTSPOT - (Topic 2)

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

Answer Area

The ability to extract subtotals and totals from a receipt is a capability of the [ ] service.

- Custom Vision
- Form Recognizer
- Ink Recognizer
- Text Analytics

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Accelerate your business processes by automating information extraction. Form Recognizer applies advanced machine learning to accurately extract text, key/value pairs, and tables from documents. With just a few samples, Form Recognizer tailors its understanding to your documents, both on-premises and in the cloud. Turn forms into usable data at a fraction of the time and cost, so you can focus more time acting on the information rather than compiling it.

NEW QUESTION 135
HOTSPOT - (Topic 2)
To complete the sentence, select the appropriate option in the answer area.

Answer Area

Azure Machine Learning designer lets you create machine learning models by [ ]

- adding and connecting modules on a visual canvas.
- automatically performing common data preparation tasks.
- automatically selecting an algorithm to build the most accurate model.
- using a code-first notebook experience.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Azure Machine Learning designer lets you create machine learning models by [ ]

- adding and connecting modules on a visual canvas.
- automatically performing common data preparation tasks.
- automatically selecting an algorithm to build the most accurate model.
- using a code-first notebook experience.

NEW QUESTION 140
- (Topic 2)
A medical research project uses a large anonymized dataset of brain scan images that are categorized into predefined brain haemorrhage types.
You need to use machine learning to support early detection of the different brain haemorrhage types in the images before the images are reviewed by a person.
This is an example of which type of machine learning?

A. clustering
B. regression
C. classification

Answer: C

Explanation:
Reference:
https://docs.microsoft.com/en-us/learn/modules/create-classification-model-azure-machine-learning-designer/introduction

NEW QUESTION 144
HOTSPOT - (Topic 2)
To complete the sentence, select the appropriate option in the answer area.

Assigning classes to images before training a classification model is an example of [▼]
- evaluation.
- feature engineering
- hyperparameter tuning.
- labeling.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Assigning classes to images before training a classification model is an example of [▼]
- evaluation.
- feature engineering
- hyperparameter tuning.
- labeling.

NEW QUESTION 148
- (Topic 2)
Which service should you use to extract text, key/value pairs, and table data automatically from scanned documents?

A. Form Recognizer
B. Text Analytics
C. Ink Recognizer
D. Custom Vision

Answer: A

Explanation:
Accelerate your business processes by automating information extraction. Form Recognizer applies advanced machine learning to accurately extract text, key/value pairs, and tables from documents. With just a few samples, Form Recognizer tailors its understanding to your documents, both on-premises and in the cloud. Turn forms into usable data at a fraction of the time and cost, so you can focus more time acting on the information rather than compiling it.
Reference:
https://azure.microsoft.com/en-us/services/cognitive-services/form-recognizer/

NEW QUESTION 149
HOTSPOT - (Topic 2)
To complete the sentence, select the appropriate option in the answer area.

Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is [▼] principle for responsible AI.
- an inclusiveness
- a privacy and security
- a reliability and safety
- a transparency

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is [▼] principle for responsible AI.
- an inclusiveness
- a privacy and security
- a reliability and safety
- a transparency

NEW QUESTION 153
HOTSPOT - (Topic 2)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Azure Machine Learning designer provides a drag-and-drop visual canvas to build, test, and deploy machine learning models.	○	○
Azure Machine Learning designer enables you to save your progress as a pipeline draft.	○	○
Azure Machine Learning designer enables you to include custom JavaScript functions.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Yes
Azure Machine Learning designer lets you visually connect datasets and modules on an interactive canvas to create machine learning models.
Box 2: Yes
With the designer you can connect the modules to create a pipeline draft.
As you edit a pipeline in the designer, your progress is saved as a pipeline draft. Box 3: No

NEW QUESTION 154
DRAG DROP - (Topic 2)
Match the types of machine learning to the appropriate scenarios.
To answer, drag the appropriate machine learning type from the column on the left to its scenario on the right. Each machine learning type may be used once, more than once, or not at all.
NOTE: Each correct selection is worth one point.

Learning Types

- Classification
- Clustering
- Regression

Answer Area

Learning Type	Predict how many minutes late a flight will arrive basen on the amount of snowfall at an airpoint.
Learning Type	Segment customers into different groups to support a marketing department.
Learning Type	Predict whether a student will complete a university course.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
1- Regression
2- Clustering
3- Classification

NEW QUESTION 155
HOTSPOT - (Topic 2)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Automated machine learning is the process of automating the time-consuming, iterative tasks of machine learning model development.	○	○
Automated machine learning can automatically infer the training data from the use case provided.	○	○
Automated machine learning works by running multiple training iterations that are scored and ranked by the metrics you specify.	○	○
Automated machine learning enables you to specify a dataset and will automatically understand which label to predict.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Yes
Automated machine learning, also referred to as automated ML or AutoML, is the process
of automating the time consuming, iterative tasks of machine learning model development. It allows data scientists, analysts, and developers to build ML models with high scale, efficiency, and productivity all while sustaining model quality.
Box 2: No
Box 3: Yes
During training, Azure Machine Learning creates a number of pipelines in parallel that try different algorithms and parameters for you. The service iterates through ML algorithms paired with feature selections, where each iteration produces a model with a training score. The higher the score, the better the model is considered to "fit" your data. It will stop once it hits the exit criteria defined in the experiment.
Box 4: No
Apply automated ML when you want Azure Machine Learning to train and tune a model for you using the target metric you specify.
The label is the column you want to predict.

NEW QUESTION 159
- (Topic 1)
Your company is exploring the use of voice recognition technologies in its smart home devices. The company wants to identify any barriers that might unintentionally leave out specific user groups.
This an example of which Microsoft guiding principle for responsible AI?

A. accountability
B. fairness
C. inclusiveness
D. privacy and security

Answer: C

Explanation:
Reference:
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding- principles
AI systems should empower everyone and engage people. AI should bring benefits to all parts of society, regardless of physical ability, gender, sexual orientation, ethnicity, or other factors.
https://docs.microsoft.com/en-us/learn/modules/get-started-ai-fundamentals/7-understand- responsible-ai

NEW QUESTION 162
HOTSPOT - (Topic 1)
To complete the sentence, select the appropriate option in the answer area.

Answer Area

Returning a bounding box that indicates the location of a vehicle in an image is an example of

- image classification.
- object detection.
- optical character recognizer (OCR).
- semantic segmentation.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Returning a bounding box that indicates the location of a vehicle in an image is an example of

- image classification.
- object detection.
- optical character recognizer (OCR).
- semantic segmentation.

NEW QUESTION 164
- (Topic 1)
You build a machine learning model by using the automated machine learning user interface (UI).
You need to ensure that the model meets the Microsoft transparency principle for responsible AI.
What should you do?

A. Set Validation type to Auto.
B. Enable Explain best model.
C. Set Primary metric to accuracy.
D. Set Max concurrent iterations to 0.

Answer: B

Explanation:
Model Explain Ability.
Most businesses run on trust and being able to open the ML “black box” helps build transparency and trust. In heavily regulated industries like healthcare and banking, it is critical to comply with regulations and best practices. One key aspect of this is understanding the relationship between input variables (features) and model output. Knowing both the magnitude and direction of the impact each feature (feature importance) has on the predicted value helps better understand and explain the model. With model explain ability, we enable you to understand feature importance as part of automated ML runs.
Reference:
https://azure.microsoft.com/en-us/blog/new-automated-machine-learning-capabilities-in-azure-machine-learning-service/

NEW QUESTION 165
- (Topic 1)
What are three Microsoft guiding principles for responsible AI? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. knowledgeability
B. decisiveness
C. inclusiveness

D. fairness
E. opinionatedness
F. reliability and safety

Answer: CDF

Explanation:
Reference:
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding- principles

NEW QUESTION 169
- (Topic 1)
You are building an AI system.
Which task should you include to ensure that the service meets the Microsoft transparency principle for responsible AI?

A. Ensure that all visuals have an associated text that can be read by a screen reader.
B. Enable autoscaling to ensure that a service scales based on demand.
C. Provide documentation to help developers debug code.
D. Ensure that a training dataset is representative of the population.

Answer: C

Explanation:
Reference:
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding- principles

NEW QUESTION 170
- (Topic 1)
A company employs a team of customer service agents to provide telephone and email support to customers.
The company develops a webchat bot to provide automated answers to common customer queries.
Which business benefit should the company expect as a result of creating the webchat bot solution?

A. increased sales
B. a reduced workload for the customer service agents
C. improved product reliability

Answer: B

NEW QUESTION 171
- (Topic 1)
You are building an AI-based app.
You need to ensure that the app uses the principles for responsible AI.
Which two principles should you follow? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Implement an Agile software development methodology
B. Implement a process of Al model validation as part of the software review process
C. Establish a risk governance committee that includes members of the legal team, members of the risk management team, and a privacy officer
D. Prevent the disclosure of the use of Al-based algorithms for automated decision making

Answer: BC

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best- practices/trusted-ai
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/3-implications-responsible-ai-practical

NEW QUESTION 172
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