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https://www.freecram.net/torrent/Microsoft.AI-900.v2026-05-16.q154.html	

NEW QUESTION: 1

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.



Answer:



Azure Machine Learning designer lets you create machine learning models b

- 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.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer>

NEW QUESTION: 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

Microsoft

Statements

The Azure AI Custom Vision service can be used to detect objects in an image.	<input type="radio"/>	<input type="radio"/>
The Azure AI Custom Vision service requires that you provide your own data to train the model.	<input type="radio"/>	<input type="radio"/>
The Azure AI Custom Vision service can be used to analyze video files.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Microsoft

Statements

The Azure AI Custom Vision service can be used to detect objects in an image.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure AI Custom Vision service requires that you provide your own data to train the model.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure AI Custom Vision service can be used to analyze video files.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION: 3

You need to convert handwritten notes into digital text.

Which type of computer vision should you use?

- A. facial detection
- B. object detection
- C. image classification
- D. optical character recognition (OCR)

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

You need to generate cartoons for use in a brochure. Each cartoon will be based on a text description.

Which Azure OpenAI model should you use?

- A. Codex
- B. GPT-4
- C. DALL-E
- D. GPT-3.5

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 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

A smart device in the home that responds to questions such as "When is my next appointment?" is an example of conversational AI.

Yes

No

An interactive webchat feature on a company website can be implemented by using Azure Bot Service.

Automatically generating captions for pre-recorded videos is an example of conversational AI.



Microsoft

Answer:

Answer Area

Statements

A smart device in the home that responds to questions such as "When is my next appointment?" is an example of conversational AI.

Yes

No

An interactive webchat feature on a company website can be implemented by using Azure Bot Service.

Automatically generating captions for pre-recorded videos is an example of conversational AI.



Microsoft

NEW QUESTION: 6

Which natural language processing feature can be used to identify the main talking points in customer feedback surveys?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 7

Select the answer that correctly completes the sentence.

Answer Area

When evaluating the performance of a model, the displays the predicted and actual positives and negatives by using a grid of 0 and 1 values.

- confusion matrix
- AUC metric
- confusion matrix
- ROC curve
- threshold



Answer:

Answer Area

When evaluating the performance of a model, the displays the predicted and actual positives and negatives by using a grid of 0 and 1 values.

AUC metric
confusion matrix
ROC curve
threshold



NEW QUESTION: 8

In which two scenarios can you use speech recognition? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. an in-car system that reads text messages aloud
- B. providing closed captions for recorded or live videos
- C. creating an automated public address system for a train station
- D. creating a transcript of a telephone call or meeting

Answer: ([SHOW ANSWER](#))

Reference:

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

NEW QUESTION: 9

Which two scenarios are examples of a conversational AI workload? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. a smart device in the home that responds to questions such as "What will the weather be like today?"
- B. a website that uses a knowledge base to interactively respond to users' questions
- C. assembly line machinery that autonomously inserts headlamps into cars
- D. monitoring the temperature of machinery to turn on a fan when the temperature reaches a specific

Answer: ([SHOW ANSWER](#))

Threshold

NEW QUESTION: 10

What are two common use cases for generative AI solutions? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. predicting sales revenue based on historical data
- B. creating original artwork from textual descriptions
- C. classifying email messages as spam or non-spam
- D. generating draft responses for customer service agents

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

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

Answer Area

 is used to generate additional features.

- Feature engineering
- Feature selection
- Model evaluation
- Model training

Answer:

Answer Area

 is used to generate additional features.

- Feature engineering
- Feature selection
- Model evaluation
- Model training



Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/create-features>

NEW QUESTION: 12

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
Chatbots can support voice input.	<input type="radio"/>	<input type="radio"/>
A separate chatbot is required for each communication channel.	<input type="radio"/>	<input type="radio"/>
Chatbots manage conversation flows by using a combination of natural language and constrained option responses.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Chatbots can support voice input.	<input checked="" type="radio"/>	<input type="radio"/>
A separate chatbot is required for each communication channel.	<input type="radio"/>	<input checked="" type="radio"/>
Chatbots manage conversation flows by using a combination of natural language and constrained option responses.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION: 13

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
The Azure AI Language service can identify in which language text is written.	<input type="radio"/>	<input type="radio"/>
The Azure AI Language service can detect handwritten signatures in a document.	<input type="radio"/>	<input type="radio"/>
The Azure AI Language service can identify companies and organizations mentioned in a document.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
The Azure AI Language service can identify in which language text is written.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure AI Language service can detect handwritten signatures in a document.	<input type="radio"/>	<input checked="" type="radio"/>
The Azure AI Language service can identify companies and organizations mentioned in a document.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION: 14

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: (SHOW ANSWER)

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: 15

Select the answer that correctly completes the sentence

Answer Area

Object detection is used to identify multiple types of items in one image.

- Object detection
- Image classification
- Image description
- Object detection
- Optical character recognition (OCR)

Answer:

Answer Area



Microsoft

Object detection is used to identify multiple types of items in one image.

Object detection

Image classification

Image description

Object detection

Optical character recognition (OCR)

NEW QUESTION: 16

Select the answer that correctly completes the sentence.

Answer Area



Microsoft

The Form Recognizer service can be used to extract information from a driver's license to populate a database.

Form Recognizer

Computer Vision

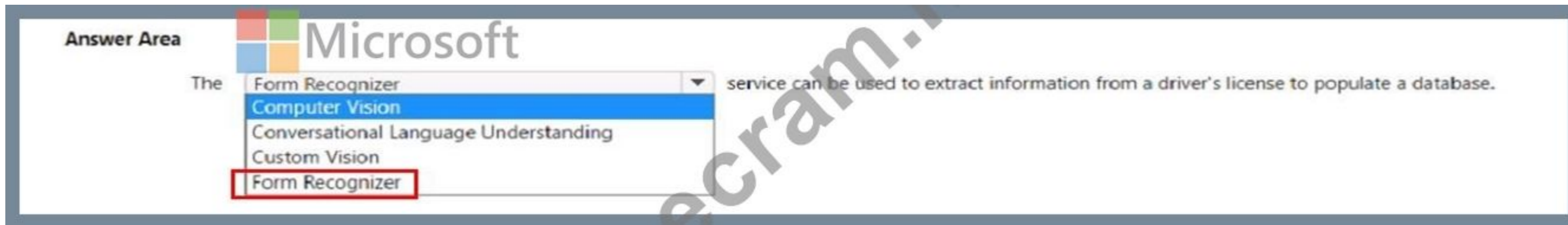
Conversational Language Understanding

Custom Vision

Form Recognizer

Answer:

Answer Area



Microsoft

The Form Recognizer service can be used to extract information from a driver's license to populate a database.

Form Recognizer

Computer Vision

Conversational Language Understanding

Custom Vision

Form Recognizer

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NEW QUESTION: 17

You need to convert receipts into transactions in a spreadsheet. The spreadsheet must include the date of the transaction, the merchant the total spent and any taxes paid.

Which Azure AI service should you use?

- A. Face
- B. Azure AI Language

- C. Azure AI Document Intelligence
- D. Azure AI Custom Vision

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 18

You are building a tool that will process images from retail stores and identify the products of competitors. The solution must be trained on images provided by your company. Which Azure AI service should you use?

- A. Face
- B. Azure AI Custom Vision
- C. Azure AI Computer Vision
- D. Azure AI Document Intelligence

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

You need to identify groups of rows with similar numeric values in a dataset. Which type of machine learning should you use?

- A. classification
- B. regression
- C. clustering

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 20

Select the answer that correctly completes the sentence.

Answer Area

Identifying whether a kiosk user is annoyed by monitoring a video feed from the kiosk is an example of

facial analysis.
face detection.
facial analysis.
facial recognition.
optical character recognition (OCR).

Answer:

Answer Area

Identifying whether a kiosk user is annoyed by monitoring a video feed from the kiosk is an example of

facial analysis.
face detection.
facial analysis.
facial recognition.
optical character recognition (OCR).

NEW QUESTION: 21

What are two tasks that can be performed by using computer vision? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Detect brands in an image.
- B. Extract key phrases.
- C. Translate text between languages.
- D. Predict stock prices.
- E. Detect the color scheme in an image

Answer: ([SHOW ANSWER](#))

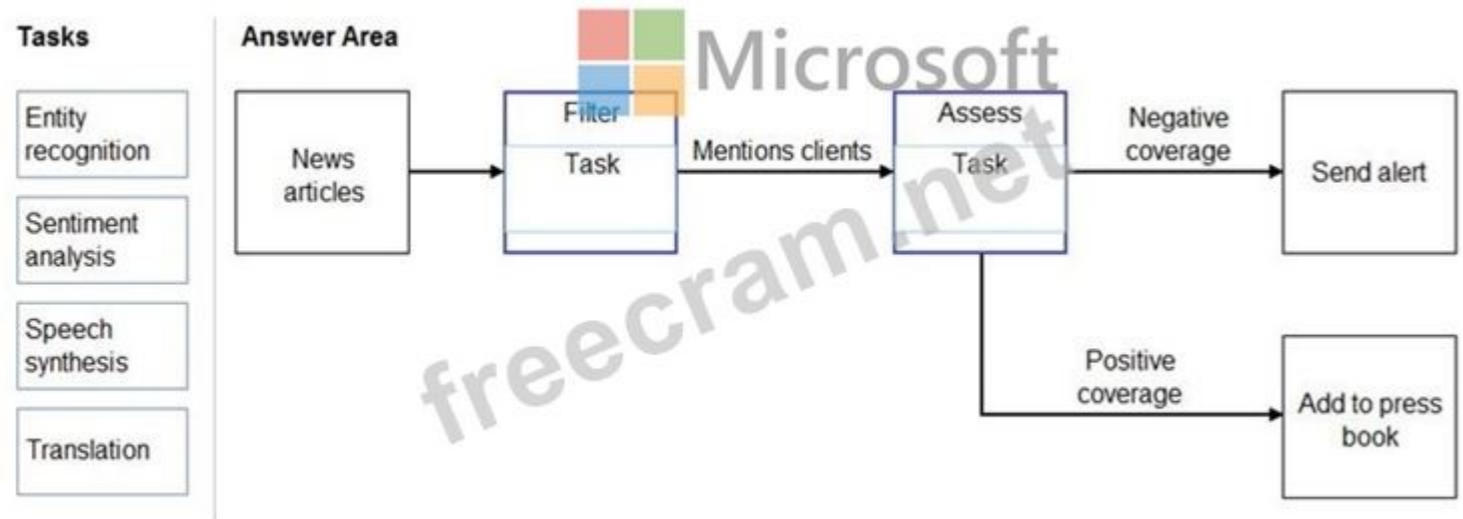
NEW QUESTION: 22

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.

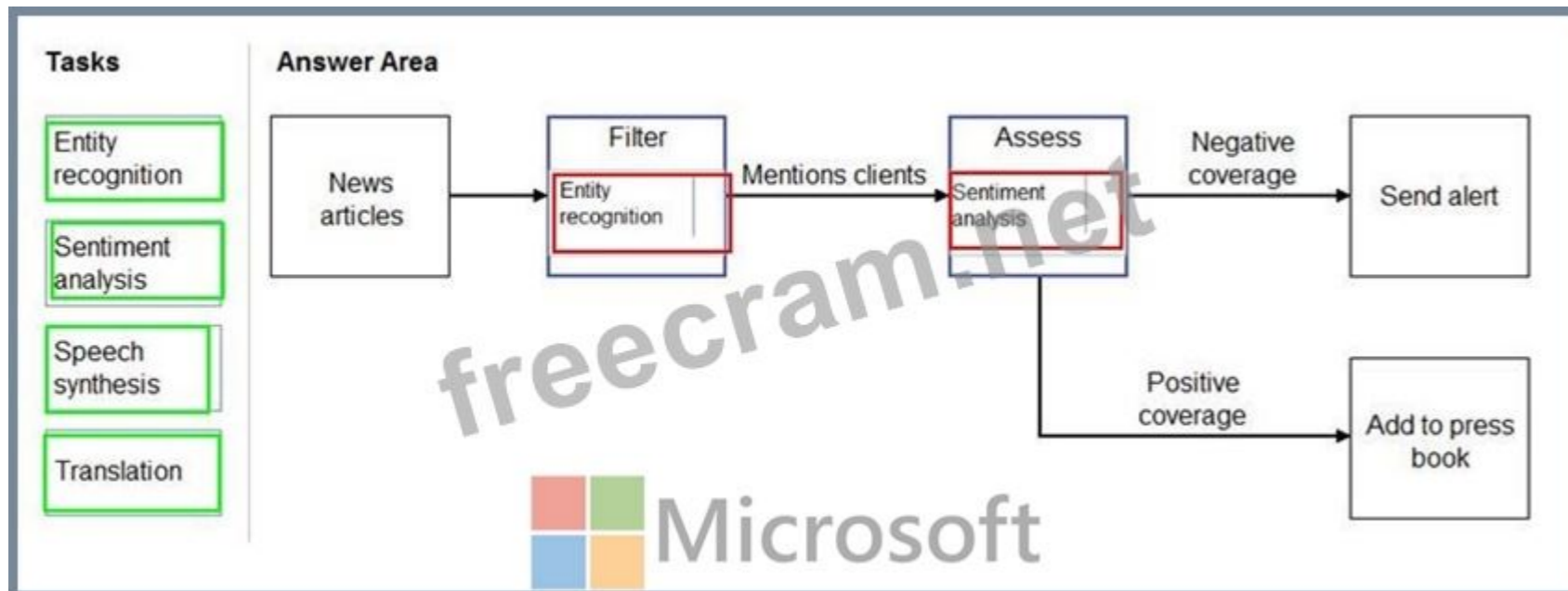
Which natural language processing tasks should you use to complete the process? To answer, drag the appropriate tasks to the correct locations. Each task may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Answer:



Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/named-entity-recognition>

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-sentiment-analysis>

NEW QUESTION: 23

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
Generative AI enables software applications to generate new content, such as language dialogs and images.	<input type="radio"/>	<input type="radio"/>
The difference between a large language model (LLM) and a small language model (SLM) is the number of variables in the model.	<input type="radio"/>	<input type="radio"/>
Generative AI is a type of supervised learning.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Generative AI enables software applications to generate new content, such as language dialogs and images.	<input checked="" type="radio"/>	<input type="radio"/>
The difference between a large language model (LLM) and a small language model (SLM) is the number of variables in the model.	<input checked="" type="radio"/>	<input type="radio"/>
Generative AI is a type of supervised learning.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION: 24

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: (SHOW ANSWER)

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: 25

Select the answer that correctly completes the sentence.



Answer:



NEW QUESTION: 26

You are evaluating whether to use a basic workspace or an enterprise workspace in Azure Machine Learning. What are two tasks that require an enterprise workspace? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Use a graphical user interface (GUI) to run automated machine learning experiments.
- B. Create a compute instance to use as a workstation.
- C. Use a graphical user interface (GUI) to define and run machine learning experiments from Azure Machine Learning designer.
- D. Create a dataset from a comma-separated value (CSV) file.

Answer: ([SHOW ANSWER](#))

Note: Enterprise workspaces are no longer available as of September 2020. The basic workspace now has all the functionality of the enterprise workspace.

Reference:

<https://www.azure.cn/en-us/pricing/details/machine-learning/>


<https://docs.microsoft.com/en-us/azure/machine-learning/concept-workspace>

NEW QUESTION: 27

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.



Answer:

Answer Area 

Ingest and prepare a dataset.
Split the data randomly in training.. .
Train the model.
Evaluate the model against the validation dataset.

- 1 - Ingest and prepare a dataset.
- 2 - Split the data randomly in training.. .
- 3 - Train the model.
- 4 - Evaluate the model against the validation dataset.

NEW QUESTION: 28

Match the services to the appropriate descriptions.

To answer, drag the appropriate service from the column on the left to its description 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

- Azure Storage
- Language Understanding (LUIS)
- QnA Maker
- Speech

Answer Area 

- Enables the use of natural language to query a knowledge base.
- Enables the real-time transcription of speech-to-text.

Answer:

Services

- Azure Storage
- Language Understanding (LUIS)
- QnA Maker
- Speech

Answer Area 


- QnA Maker Enables the use of natural language to query a knowledge base.
- Language Understanding (LUIS) Enables the real-time transcription of speech-to-text.

NEW QUESTION: 29

You use natural language processing to process text from a Microsoft news story.

You receive the output shown in the following exhibit.

For weeks now, students and teachers have been settling into the uncharted routine of distance learning. Today I want to thank all of the educators who are connecting classrooms and classmates together in the sudden shift to remote learning. This change requires everyone working together and is unlike anything we've seen in the modern history of education. We've seen countries, school districts and universities move rapidly into remote learning environments with Microsoft Teams being used in 175 countries by 183,000 institutions.



Microsoft

now [DateTime]
 students [PersonType]
 teachers [PersonType]
 distance learning [Skill]
 Today [DateTime-Date]
 educators [PersonType]
 classrooms [Location]
 classmates [PersonType]
 remote learning [Skill]
 history [Skill]
 education [Skill]
 remote learning [Skill]
 Microsoft [Organization]
 175 [Quantity-Number]
 183,000 [Quantity-Number]

Which type of natural languages processing was performed?

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

Answer: (SHOW ANSWER)

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/overview> You can provide the Text Analytics service with unstructured text and it will return a list of entities in the text that it recognizes. You can provide the Text Analytics service with unstructured text and it will return a list of entities in the text that it recognizes. The service can also provide links to more information about that entity on the web. An entity is essentially an item of a particular type or a category; and in some cases, subtype, such as those as shown in the following table.

<https://docs.microsoft.com/en-us/learn/modules/analyze-text-with-text-analytics-service/2-get-started-azure>

NEW QUESTION: 30

Match the types of AI workloads 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.

Workloads Types	Answer Area
Anomaly detection	Workload Type An automated chat to answer questions about refunds and exchange
Computer vision	Workload Type Determining whether a photo contains a person
Conversational AI	Workload Type Determining whether a review is positive or negative
Knowledge mining	
Natural language processing	

Answer:

Workloads Types

- Anomaly detection
- Computer vision
- Conversational AI
- Knowledge mining
- Natural language processing

Answer Area

- Conversational AI: An automated chat to answer questions about refunds and exchange
- Computer vision: Determining whether a photo contains a person
- Natural language processing: Determining whether a review is positive or negative



Reference:

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

NEW QUESTION: 31

You have an app that identifies the coordinates of a product in an image of a supermarket shelf.

Which service does the app use?

- A. Azure AI Computer Vision optical character recognition (OCR)
- B. Azure AI Custom Vision classification
- C. Azure AI Computer Vision Read
- D. Azure AI Custom Vision object detection

Answer: (SHOW ANSWER)

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NEW QUESTION: 32

correctly completes the sentence.

Answer Area



- features.
- functions.
- labels.
- instances.

Answer:



NEW QUESTION: 33

You have an Azure subscription that uses Azure OpenAI.

You need to create an original image of a rural scene to use on a website.

What should you do?

- A. From Azure AI Foundry, deploy a DALL-E model, and provide instructions to create the rural scene.
- B. From GitHub Copilot, provide instructions to create the image of the rural scene.
- C. From Azure AI Foundry, deploy a GPT-3.5 Turbo model and provide instructions to create the image of the rural scene.
- D. From Microsoft Bing, search the term "rural scene" and download the results.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

Capturing text from images is an example of which type of AI capability?

- A. object detection
- B. text analysis
- C. image description
- D. optical character recognition (OCR)

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 35

You are building a tool that will process images from retail stores and identify the products of competitors.

The solution will use a custom model.

Which Azure Cognitive Services service should you use?

- A. Custom Vision
- B. Form Recognizer
- C. Face
- D. Computer Vision

Answer: ([SHOW ANSWER](#))

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/overview>

NEW QUESTION: 36

You are building a knowledge base by using QnA Maker. Which file format can you use to populate the knowledge base?

- A. PDF
- B. PPTX
- C. XML

D. ZIP

Answer: ([SHOW ANSWER](#))

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/data-sources-and-content>

NEW QUESTION: 37

Which Azure Machine Learning capability should you use to quickly build and deploy a predictive model without extensive coding?

- A. Copilot
- B. DALL-E
- C. automated machine learning (automated ML)
- D. ML pipelines

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

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: ([SHOW ANSWER](#))

Reference:

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

NEW QUESTION: 39

Select the answer that correctly completes the sentence.



Answer:



NEW QUESTION: 40

You are creating an app to help employees write emails and reports based on user prompts. What should you use?

- A. Azure AI Speech
- B. Azure AI Vision
- C. Azure OpenAI in Foundry Models
- D. Azure Machine Learning studio

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 41

Which machine learning technique can be used for anomaly detection?

- A. A machine learning technique that classifies objects based on user supplied images.
- B. A machine learning technique that analyzes data over time and identifies unusual changes.
- C. A machine learning technique that understands written and spoken language.
- D. A machine learning technique that classifies images based on their contents.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

Which two actions can you perform by using the Azure OpenAI DALL-E model? Each correct answer presents a complete solution.

NOTE: Each correct answer is worth one point.

- A. Use optical character recognition (OCR).
- B. Detect objects in images.
- C. Modify images.
- D. Create images.
- E. Generate captions for images.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

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?

- A. named entity recognition
- B. translation
- C. sentiment analysis
- D. language modeling

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

Select the answer that correctly completes the sentence.

Answer Area

The GitHub Copilot extension for Microsoft Visual Studio Code uses the OpenAI Codex model.

Answer:

Answer Area

The GitHub Copilot extension for Microsoft Visual Studio Code uses the OpenAI Codex model.

NEW QUESTION: 45

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 be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Services: Speech, Language service, Translator Text

Answer Area: Convert a user's speech to text., Identify a user's intent., Provide a spoken response to the user.

Answer:

Services: Speech, Language service, Translator Text

Answer Area: Convert a user's speech to text., Identify a user's intent., Provide a spoken response to the user.

NEW QUESTION: 46

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
You can fine-tune some Azure OpenAI models by using your own data.	<input type="radio"/>	<input type="radio"/>
Pretrained generative AI models are a component of Azure OpenAI.	<input type="radio"/>	<input type="radio"/>
To build a solution that complies with Microsoft responsible AI principles, you must build and train your own model.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
You can fine-tune some Azure OpenAI models by using your own data.	<input checked="" type="radio"/>	<input type="radio"/>
Pretrained generative AI models are a component of Azure OpenAI.	<input checked="" type="radio"/>	<input type="radio"/>
To build a solution that complies with Microsoft responsible AI principles, you must build and train your own model.	<input type="radio"/>	<input checked="" type="radio"/>

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NEW QUESTION: 47

What is a form of unsupervised machine learning?

- A. clustering
- B. multiclass classification
- C. binary classification
- D. regression

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 48

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.	<input type="radio"/>	<input type="radio"/>
You can use the Translator service to detect the language of a given text.	<input type="radio"/>	<input type="radio"/>
You can use the Translator service to transcribe audible speech into text.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
You can use the Translator service to translate text between languages.	<input checked="" type="radio"/>	<input type="radio"/>
You can use the Translator service to detect the language of a given text.	<input checked="" type="radio"/>	<input type="radio"/>
You can use the Translator service to transcribe audible speech into text.	<input type="radio"/>	<input checked="" type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/Translator/translator-info-overview>

<https://docs.microsoft.com/en-us/legal/cognitive-services/speech-service/speech-to-text/transparency-note>

NEW QUESTION: 49

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
Chatbots can only be built by using custom code.	<input type="radio"/>	<input type="radio"/>
The Azure Bot Service provides services that can be used to host conversational bots.	<input type="radio"/>	<input type="radio"/>
Bots built by using the Azure Bot Service can communicate with Microsoft Teams users.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Chatbots can only be built by using custom code.	<input type="radio"/>	<input checked="" type="radio"/>
The Azure Bot Service provides services that can be used to host conversational bots.	<input checked="" type="radio"/>	<input type="radio"/>
Bots built by using the Azure Bot Service can communicate with Microsoft Teams users.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION: 50

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	Identify objects in an image.
Face	Automatically import data from an invoice to a database.
Form Recognizer	Identify people in an image.

Answer:

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

NEW QUESTION: 51

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 Bot Service and Azure Cognitive Services can be integrated.	<input type="radio"/>	<input type="radio"/>
Azure Bot Service engages with customers in a conversational manner.	<input type="radio"/>	<input type="radio"/>
Azure Bot Service can import frequently asked questions (FAQ) to question and answer sets.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Azure Bot Service and Azure Cognitive Services can be integrated.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Bot Service engages with customers in a conversational manner.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Bot Service can import frequently asked questions (FAQ) to question and answer sets.	<input type="radio"/>	<input checked="" type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-tutorial-add-qna>

NEW QUESTION: 52

Select the answer that correctly completes the sentence.

Answer Area

An embedding refers to a multi-dimensional vector assigned to each word or token in a large language model (LLM).

- An embedding
- Attention
- A completion
- A transformer

Answer:

Answer Area

An embedding refers to a multi-dimensional vector assigned to each word or token in a large language model (LLM).

- An embedding
- Attention
- A completion
- A transformer

NEW QUESTION: 53

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
The Custom Vision service can be used to detect objects in an image.	<input type="radio"/>	<input type="radio"/>
The Custom Vision service requires that you provide your own data to train the model.	<input type="radio"/>	<input type="radio"/>
The Custom Vision service can be used to analyze video files.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
The Custom Vision service can be used to detect objects in an image.	<input checked="" type="radio"/>	<input type="radio"/>
The Custom Vision service requires that you provide your own data to train the model.	<input type="radio"/>	<input checked="" type="radio"/>
The Custom Vision service can be used to analyze video files.	<input type="radio"/>	<input checked="" type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/Custom-Vision-Service/overview>

NEW QUESTION: 54

Select the answer that correctly completes the sentence.

Answer Area

The interactive answering of questions entered by a user as part of an application is an example of

- anomaly detection.
- computer vision.
- natural language processing.
- forecasting.

Answer:

Answer Area

The interactive answering of questions entered by a user as part of an application is an example of

anomaly detection.
computer vision.
natural language processing.
forecasting.



NEW QUESTION: 55

Which Azure service can use the prebuilt receipt model in Azure AI Document Intelligence?

- A. Azure AI Computer Vision
- B. Azure Machine Learning
- C. Azure AI Services
- D. Azure AI Custom Vision

Answer: C (LEAVE A REPLY)

NEW QUESTION: 56

You have a dataset that contains information about taxi journeys that occurred during a given period.

You need to train a model to predict the fare of a taxi journey.

What should you use as a feature?

- A. the number of taxi journeys in the dataset
- B. the trip distance of individual taxi journeys
- C. the fare of individual taxi journeys
- D. the trip ID of individual taxi journeys

Answer: (SHOW ANSWER)

The label is the column you want to predict. The identified Features are the inputs you give the model to predict the Label.

Example:

The provided data set contains the following columns:

rate_code: The rate type of the taxi trip is a feature.

passenger_count: The number of passengers on the trip is a feature.

trip_time_in_secs: The amount of time the trip took. You want to predict the fare of the trip before the trip is completed. At that moment, you don't know how long the trip would take. Thus, the trip time is not a feature and you'll exclude this column from the model.

trip_distance: The distance of the trip is a feature.

payment_type: The payment method (cash or credit card) is a feature.

fare_amount: The total taxi fare paid is the label.

Reference:

<https://docs.microsoft.com/en-us/dotnet/machine-learning/tutorials/predict-prices>

NEW QUESTION: 57

You have the following apps:

- * App1: Uses a set of images and photos to extract brand names
- * App2: Enables touchless access control for buildings

Which Azure AI Vision service does each app use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

App1: Optical character recognition (OCR) ▼

- Face
- Image Analysis
- Optical character recognition (OCR)
- Spatial Analysis
- Video Analysis

App2: Face ▼

- Face
- Image Analysis
- Optical character recognition (OCR)
- Spatial Analysis
- Video Analysis

Answer:

Answer Area

App1: Optical character recognition (OCR) ▼

- Face
- Image Analysis
- Optical character recognition (OCR)
- Spatial Analysis
- Video Analysis

App2: Face ▼

- Face
- Image Analysis
- Optical character recognition (OCR)
- Spatial Analysis
- Video Analysis

NEW QUESTION: 58

You have a chatbot that answers technical questions by using the Azure OpenAI GPT-3.5 large language model (LLM). Which two statements accurately describe the chatbot? Each correct answer presents a complete solution.

NOTE: Each correct answer is worth one point.

- A. The chatbot is suitable for performing medical diagnosis.
- B. Grounding data can be used to constrain the output of the chatbot.

- C. The chatbot might respond with inaccurate data.
- D. The chatbot will always provide accurate data.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 59

What should you use to identify similar faces in a set of images?

- A. Azure AI Vision
- B. Azure OpenAI Service
- C. Azure AI Custom Vision
- D. Azure AI Language

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 60

Select the answer that correctly completes the sentence.

Answer Area

Detecting unusual temperature fluctuations for a large machine is an example of

- an anomaly detection workload.
- a computer vision workload.
- a knowledge mining workload.
- a natural language processing (NLP) workload.
- an anomaly detection workload.



Answer:

Answer Area

Detecting unusual temperature fluctuations for a large machine is an example of

- an anomaly detection workload.
- a computer vision workload.
- a knowledge mining workload.
- a natural language processing (NLP) workload.
- an anomaly detection workload.

NEW QUESTION: 61

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 Azure OpenAI GPT-3.5 Turbo model can transcribe speech to text.	<input type="radio"/>	<input type="radio"/>
The Azure OpenAI DALL-E model generates images based on text prompts.	<input type="radio"/>	<input type="radio"/>
The Azure OpenAI embeddings model can convert text into numerical vectors based on text similarities.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
The Azure OpenAI GPT-3.5 Turbo model can transcribe speech to text.	<input type="radio"/>	<input checked="" type="radio"/>
The Azure OpenAI DALL-E model generates images based on text prompts.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure OpenAI embeddings model can convert text into numerical vectors based on text similarities.	<input checked="" type="radio"/>	<input type="radio"/>

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NEW QUESTION: 62

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.	<input type="radio"/>	<input type="radio"/>
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	<input type="radio"/>	<input type="radio"/>
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
A restaurant can use a chatbot to empower customers to make reservations by using a website or an app.	<input checked="" type="radio"/>	<input type="radio"/>
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	<input checked="" type="radio"/>	<input type="radio"/>
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	<input checked="" type="radio"/>	<input type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0>

NEW QUESTION: 63

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.

Answer:

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.

NEW QUESTION: 64

Select the answer that correctly completes the sentence.

Answer Area

Natural language processing can be used to

- classify email messages as work-related or personal.
- predict the number of future car rentals.
- predict which website visitors will make a transaction.
- stop a process in a factory when extremely high temperatures are registered.

Answer:

Answer Area

Natural language processing can be used to

- classify email messages as work-related or personal.
- predict the number of future car rentals.
- predict which website visitors will make a transaction.
- stop a process in a factory when extremely high temperatures are registered.



NEW QUESTION: 65

In which two scenarios can you use the Azure AI Document Intelligence service (formerly Form Recognizer)? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Identify the retailer from a receipt.
- B. Extract the invoice number from an invoice.
- C. Translate a form from French to English.
- D. Find images of products in a catalog.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

Select the .



Answer:



NEW QUESTION: 67

You need to identify harmful content in a generative AI solution that uses Azure OpenAI Service.

What should you use?

- A. Language
- B. Content Safety
- C. Video Analysis
- D. Face

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 68

Select the answer that correctly completes the sentence.

Answer Area

Implementing filters to block harmful content as part of a chat solution that uses generative AI is an example of the

 Microsoft responsible AI principle.

- fairness
- accountability
- fairness
- privacy and security
- transparency

Answer:

Answer Area

Implementing filters to block harmful content as part of a chat solution that uses generative AI is an example of the

 Microsoft responsible AI principle.


- fairness
- accountability
- fairness
- privacy and security
- transparency

NEW QUESTION: 69

Select the answer that correctly completes the sentence.

Answer Area

You can use the

 Microsoft service to train an object detection model by using your own images.

- Azure AI Custom Vision
- Azure AI Computer Vision
- Azure AI Custom Vision
- Azure AI Document Intelligence
- Azure Video Analyzer for Media

Answer:

Answer Area

You can use the

 Microsoft service to train an object detection model by using your own images.

- Azure AI Custom Vision
- Azure AI Computer Vision
- Azure AI Custom Vision
- Azure AI Document Intelligence
- Azure Video Analyzer for Media

NEW QUESTION: 70

Match the types of AI workloads 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.

Workload Types	Answer Area
Anomaly detection	Workload Type Identify handwritten letters.
Computer vision	Workload Type Predict the sentiment of a social media post.
Machine Learning (Regression)	Workload Type Identify a fraudulent credit card payment.
Natural language processing	Workload Type Predict next month's toy sales.

Answer:

Workload Types	Answer Area
Anomaly detection	Computer vision Identify handwritten letters.
Computer vision	Natural language processing Predict the sentiment of a social media post.
Machine Learning (Regression)	Anomaly detection Identify a fraudulent credit card payment.
Natural language processing	Machine Learning (Regression) Predict next month's toy sales.

Reference:

<https://docs.microsoft.com/en-us/learn/paths/get-started-with-artificial-intelligence-on-azure/>

NEW QUESTION: 71

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 recognition (OCR).
- facial detection.

Answer:

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 recognition (OCR).
- facial detection.

NEW QUESTION: 72

When you design an AI system to assess whether loans should be approved, the factors used to make the decision should be explainable.

This is an example of which Microsoft guiding principle for responsible AI?

- A. transparency
- B. inclusiveness
- C. fairness
- D. privacy and security

Answer: (SHOW ANSWER)

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets.

This information offers insights about how the model was created, which allows it to be reproduced in a transparent way.

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai>

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

NEW QUESTION: 73

You use Azure Machine Learning designer to publish an inference pipeline.

Which two parameters should you use to consume the pipeline? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. the model name
- B. the training endpoint
- C. the authentication key
- D. the REST endpoint

Answer: C,D (LEAVE A REPLY)

<https://docs.microsoft.com/en-in/learn/modules/create-regression-model-azure-machine-learning-designer/deploy-service>

NEW QUESTION: 74

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: (SHOW ANSWER)

Reference:

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

NEW QUESTION: 75

Which statement is an example of a Microsoft responsible AI principle?

- A. AI systems must use only publicly available data.
- B. AI systems must be understandable.
- C. AI systems must protect the interests of the company

D. AI systems must keep personal details public

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 76

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: ([SHOW ANSWER](#))

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

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NEW QUESTION: 77

Match the principles of responsible AI to appropriate requirements.

To answer, drag the appropriate principles from the column on the left to its requirement on the right. Each principle 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.

Principles

- Fairness
- Privacy and security
- Reliability and safety
- Transparency

Answer Area

Three empty dashed boxes for matching.

The system must not discriminate based on gender, race

Personal data must be visible only to approve

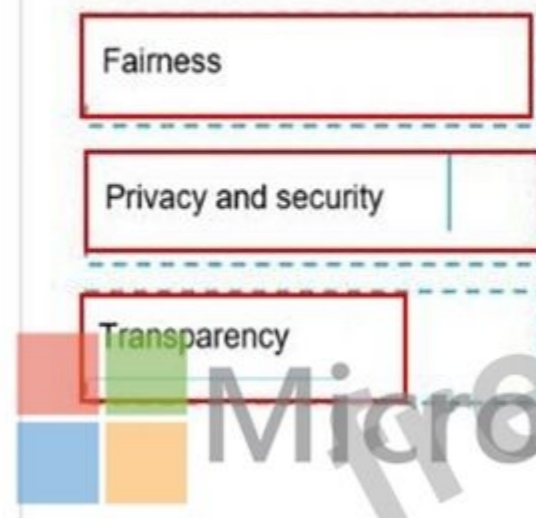
Automated decision-making processes must be recorded so that approved users can identify why a decision was made

Answer:

Principles



Answer Area



The system must not discriminate based on gender, race

Personal data must be visible only to approve

Automated decision-making processes must be recorded so that approved users can identify why a decision was made

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/4-guiding-principles>

NEW QUESTION: 78

What is an example of the Microsoft responsible AI principle of transparency?

- A. ensuring that opportunities are allocated equally to all applicants
- B. ensuring that developers are accountable for the solutions they create
- C. ensuring that the privileged data of users is stored in a secure manner
- D. helping users understand the decisions made by an AI system

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 79

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

Computer vision capabilities can be Deployed to.....

Answer:

see the answer in below Explanation

Explanation:

Integrate a facial recognition feature into an app.

Computer vision capabilities can be deployed to ▾

NEW QUESTION: 80

You have an app that identifies birds in images. The app performs the following tasks:

- * Identifies the location of the birds in the image
- * Identifies the species of the birds in the image

Which type of computer vision does each task use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:



NEW QUESTION: 81

Which two languages can you use to write custom code for Azure Machine Learning designer? Each correct answer presents a complete solution.

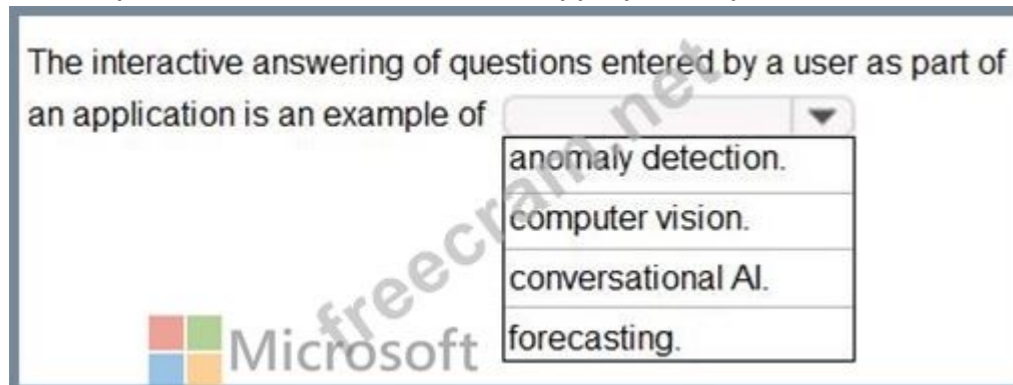
NOTE; Each correct selection is worth one point.

- A. Python
- B. R
- C. C#
- D. Scala

Answer: ([SHOW ANSWER](#))

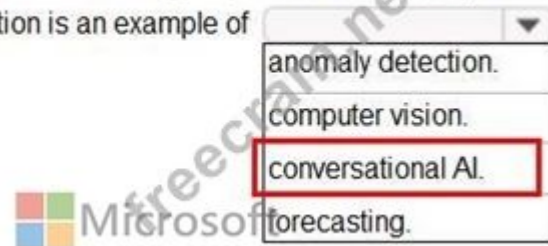
NEW QUESTION: 82

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



Answer:

The interactive answering of questions entered by a user as part of an application is an example of



Reference:

<https://azure.microsoft.com/en-in/blog/microsoft-conversational-ai-tools-enable-developers-to-build-connect-and-manage-intelligent-bots>

NEW QUESTION: 83

Select the answer that correctly completes the sentence.



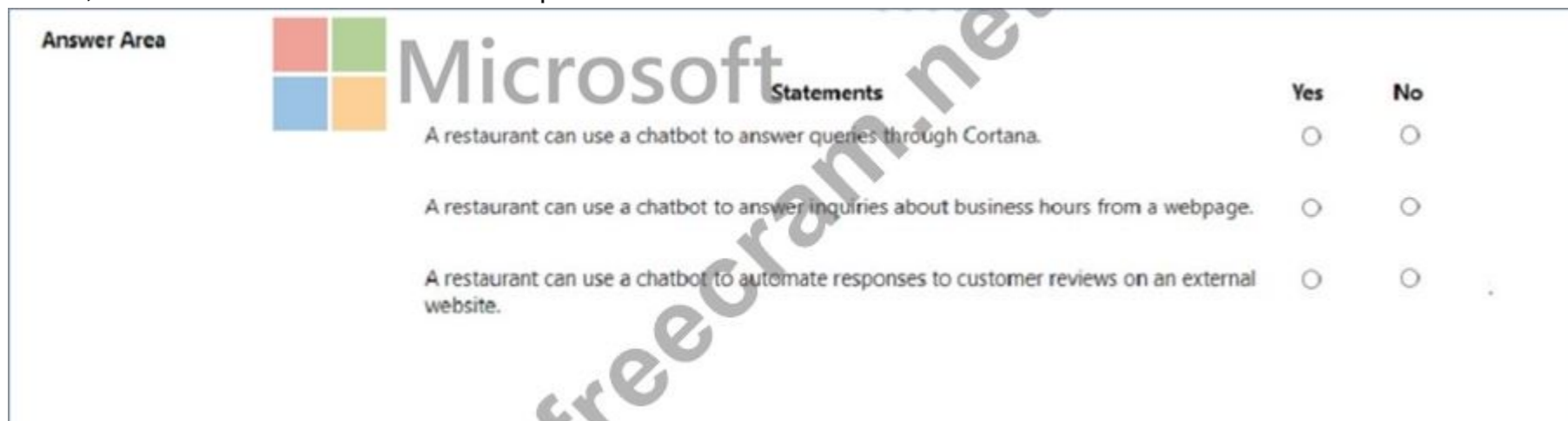
Answer:



NEW QUESTION: 84

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:

Answer Area

Statements	Yes	No
A restaurant can use a chatbot to answer queries through Cortana.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	<input checked="" type="checkbox"/>	<input type="checkbox"/>



NEW QUESTION: 85

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?

- A. Register customer purchases.
- B. Answer questions from multiple users simultaneously.
- C. Register customer complaints.
- D. Provide customers with return materials authorization (RMA) numbers.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 86

Providing contextual information to improve the responses quality of a generative AI solution is an example of which prompt engineering technique?

- A. fine-tuning
- B. grounding data
- C. system messages
- D. providing examples

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 87

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

Ensuring that the numeric variables in training data are on a similar scale is an example of

	▼
data ingestion.	
feature engineering.	
feature selection.	
model training.	

Answer:

Ensuring that the numeric variables in training data are on a similar scale is an example of

	▼
data ingestion.	
feature engineering.	
feature selection.	
model training.	

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-science-process/create-features>

NEW QUESTION: 88

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 users geographical location.

Which type of natural language processing workload should you use?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 89

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 90

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.	

Answer:

Assigning classes to images before training a classification model is an example of

- evaluation.
- feature engineering
- hyperparameter tuning.
- labeling.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-label-data>

NEW QUESTION: 91

Match the Azure AI service to the appropriate generative AI capability.

To answer, drag the appropriate service from the column on the left to its capability 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
<input type="checkbox"/> Azure OpenAI Service	<input type="checkbox"/> Classify and label images.
<input type="checkbox"/> Azure AI Speech	<input type="checkbox"/> Generate conversational responses.
<input type="checkbox"/> Azure AI Vision	<input type="checkbox"/> Convert speech to text in real time.

Answer:

Services	Answer Area
<input checked="" type="checkbox"/> Azure OpenAI Service	<input type="checkbox"/> Azure AI Vision Classify and label images.
<input checked="" type="checkbox"/> Azure AI Speech	<input checked="" type="checkbox"/> Azure OpenAI Service Generate conversational responses.
<input checked="" type="checkbox"/> Azure AI Vision	<input checked="" type="checkbox"/> Azure AI Speech Convert speech to text in real time.

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NEW QUESTION: 92

What are two metrics that you can use to evaluate a regression model? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. coefficient of determination (R2)
- B. F1 score
- C. root mean squared error (RMSE)
- D. area under curve (AUC)
- E. balanced accuracy

Answer: A,C (LEAVE A REPLY)

A: R-squared (R2), or Coefficient of determination represents the predictive power of the model as a value between -inf and 1.00. 1.00 means there is a perfect fit, and the fit can be arbitrarily poor so the scores can be negative.

C: RMS-loss or Root Mean Squared Error (RMSE) (also called Root Mean Square Deviation, RMSD), measures the difference between values predicted by a model and the values observed from the environment that is being modeled.

Reference:

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

NEW QUESTION: 93

You need to predict the population size of a specific species of animal in an area.

Which Azure Machine Learning type should you use?

- A. regression
- B. clustering
- C. classification

Answer: A (LEAVE A REPLY)

NEW QUESTION: 94

Which Computer Vision feature can you use to generate automatic captions for digital photographs?

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

Answer: (SHOW ANSWER)

NEW QUESTION: 95

Which AI service should you use to create a bot from a frequently asked questions (FAQ) document?

- A. Speech
- B. Language Understanding (LUIS)

C. Text Analytics

D. QnA Maker

Answer: D (LEAVE A REPLY)

NEW QUESTION: 96

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

Entity recognition

Key phrase extraction

Language detection

Sentiment analysis

Answer Area

API Feature

Understand how upset a customer is based on the text contained in the support ticket.

API Feature

Summarize important information from the support ticket.

API Feature

Extract key dates from the support ticket.



Answer:

The screenshot shows the same matching exercise as above, but with the correct answers highlighted in red boxes. The 'API Features' column has four items: Entity recognition, Key phrase extraction, Language detection, and Sentiment analysis. The 'Answer Area' has three scenarios. The correct matches are: Sentiment analysis for the first scenario (understanding customer upset), Key phrase extraction for the second scenario (summarizing information), and Entity recognition for the third scenario (extracting key dates). The Microsoft logo is visible at the bottom.

Reference:

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

<https://azure.microsoft.com/en-us/services/cognitive-services/text-analytics>

NEW QUESTION: 97

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.

Workloads Types	Answer Area
Facial recognition	Workload Type Identify celebrities in images.
Image classification	Workload Type Extract movie title names from movie poster images.
Object detection	Workload Type Locate vehicles in images.
Optical character recognition (OCR)	

Answer:

Workloads Types	Answer Area
Facial recognition	Facial recognition Identify celebrities in images.
Image classification	Optical character recognition (OCR) Extract movie title names from movie poster images.
Object detection	Object detection Locate vehicles in images.
Optical character recognition (OCR)	

Reference:

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

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection>

NEW QUESTION: 98

In which two scenarios can you use the Form Recognizer service? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Extract the invoice number from an invoice.
- B. Translate a form from French to English.
- C. Find image of product in a catalog.
- D. Identify the retailer from a receipt.

Answer: ([SHOW ANSWER](#))

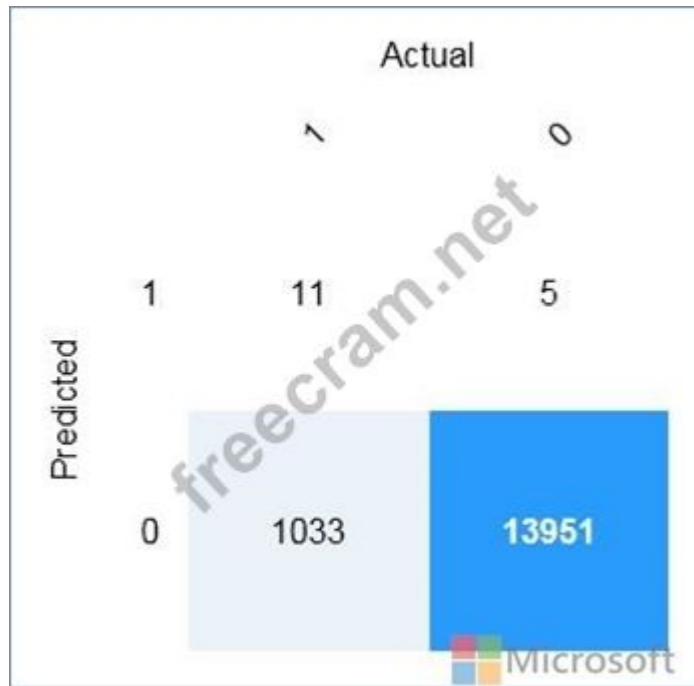
Reference:

<https://azure.microsoft.com/en-gb/services/cognitive-services/form-recognizer/#features>

NEW QUESTION: 99

You are developing a model to predict events by using classification.

You have a confusion matrix for the model scored on test data as shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer Area

There are [answer choice] correctly predicted positives.

Microsoft

There are [answer choice] false negatives.

Answer:

Answer Area

There are [answer choice] correctly predicted positives.

5
11
1,033
13,951

There are [answer choice] false negatives.

5
11
1,033
13,951



Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance> Finding TP is easy. It basically means the value where Predicted and True value is 1 and that is 11 in this case. False Negative means where true value was 1 but predicted value was 0 and that is 1033 in this case The confusion matrix shows cases where both the predicted and actual values were 1 (known as true positives) at the top left, and cases where both the predicted and the actual values were 0 (true negatives) at the bottom right. The other cells show cases where the predicted and actual values differ (false positives and false negatives).

<https://docs.microsoft.com/en-us/learn/modules/create-classification-model-azure-machine-learning-designer/evaluate-model>

NEW QUESTION: 100

Which two resources can you use to analyze code and generate explanations of code function and code comments? Each correct answer presents a complete solution.

NOTE: Each correct answer is worth one point.

- A. the Azure OpenAI DALL-E model
- B. the Azure OpenAI Whisper model
- C. the Azure OpenAI GPT-4 model
- D. the GitHub Copilot service

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 101

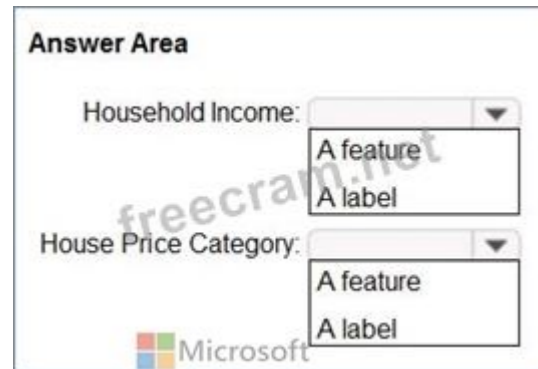
You have the following dataset.

Household Income	Postal Code	House Price Category
20,000	55555	Low
23,000	20541	Middle
80,000	87960	High

You plan to use the dataset to train a model that will predict the house price categories of houses.

What are Household Income and House Price Category? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.



Answer:



Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio/interpret-model-results>

NEW QUESTION: 102

What is a use case for classification?

- A. predicting how many minutes it will take someone to run a race based on past race times
- B. predicting whether someone uses a bicycle to travel to work based on the distance from home to work
- C. analyzing the contents of images and grouping images that have similar colors
- D. predicting how many cups of coffee a person will drink based on how many hours the person slept the previous night.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 103

In which scenario should you use key phrase extraction?

- A. identifying whether reviews of a restaurant are positive or negative
- B. generating captions for a video based on the audio track
- C. translating a set of documents from English to German
- D. identifying which documents provide information about the same topics

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 104

You have a bot that identifies the brand names of products in images of supermarket shelves.

Which service does the bot use?

- A. AI enrichment for Azure Search capabilities
- B. Custom Vision Image Classification capabilities
- C. Language understanding capabilities
- D. Computer Vision Image Analysis capabilities

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 105

Select the answer that correctly completes the sentence.

Answer Area

Counting the number of animals in an area based on a video feed is an example of

Microsoft

- computer vision.
- forecasting.
- computer vision.
- knowledge mining.
- anomaly detection.

Answer:

Answer Area

Counting the number of animals in an area based on a video feed is an example of

Microsoft

- computer vision.
- forecasting.
- computer vision.
- knowledge mining.
- anomaly detection.

NEW QUESTION: 106

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 bot that responds to queries by internal users is an example of a conversational AI workload.	<input type="radio"/>	<input type="radio"/>
An application that displays images relating to an entered search term is an example of a conversational AI workload.	<input type="radio"/>	<input type="radio"/>
A web form used to submit a request to reset a password is an example of a conversational AI workload.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
A bot that responds to queries by internal users is an example of a conversational AI workload.	<input checked="" type="radio"/>	<input type="radio"/>
An application that displays images relating to an entered search term is an example of a conversational AI workload.	<input type="radio"/>	<input checked="" type="radio"/>
A web form used to submit a request to reset a password is an example of a conversational AI workload.	<input checked="" type="radio"/>	<input type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0>

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NEW QUESTION: 107

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.

Tools	Answer Area
Automated machine learning (automated ML)	Tool Create a Machine Learning workspace
The Azure portal	Tool Use a drag-and-drop interface used to train and deploy models
Machine Learning designer	Tool Use a wizard to select configurations for a machine learning run

Answer:

Tools	Answer Area
Automated machine learning (automated ML)	The Azure portal Tool Create a Machine Learning workspace
The Azure portal	Machine Learning designer Use a drag-and-drop interface used to train and deploy models
Machine Learning designer	Automated machine learning (automated ML) Use a wizard to select configurations for a machine learning run

NEW QUESTION: 108

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: ([SHOW ANSWER](#))

Reference:

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

NEW QUESTION: 109

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 AI 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 AI-based algorithms for automated decision making

Answer: ([SHOW ANSWER](#))

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: 110

What should you do to reduce the number of false positives produced by a machine learning classification model?

- A. Modify the threshold value in favor of false negatives.
- B. Include test data in the training data.
- C. Modify the threshold value in favor of false positives.
- D. Increase the number of training iterations.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 111

You need to develop a chatbot for a website. The chatbot must answer users' questions based on the information in the following documents:

A product troubleshooting guide in a Microsoft Word document

A frequently asked questions (FAQ) list on a webpage

Which service should you use to process the documents?

- A. Azure Bot Service

- B. Language Understanding
- C. Text Analytics
- D. QnA Maker

Answer: (SHOW ANSWER)

Reference:

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

NEW QUESTION: 112

You have an Azure Machine Learning model that uses clinical data to predict whether a patient has a disease.

You clean and transform the clinical data.

You need to ensure that the accuracy of the model can be proven.

What should you do next?

- A. Split the clinical data into Two datasets.
- B. Validate the model by using the clinical data.
- C. Train the model by using automated machine learning (automated ML).
- D. Train the model by using the clinical data.

Answer: (SHOW ANSWER)

NEW QUESTION: 113

Select the answer that correctly completes the sentence.

Answer Area

A traffic monitoring system that collects vehicle registration numbers from CCTV footage is an example of

object detection in the Azure AI Computer Vision service.

- object detection
- image classification
- object detection
- spatial Analysis
- text extraction

Answer:

Answer Area

A traffic monitoring system that collects vehicle registration numbers from CCTV footage is an example of

object detection in the Azure AI Computer Vision service.

- object detection
- image classification
- object detection
- spatial Analysis
- text extraction

NEW QUESTION: 114

Select the answer that correctly completes the sentence.

Answer Area

Microsoft

Azure AI Document Intelligence can be used to create a knowledge base from frequently asked questions (FAQ).

Azure AI Bot Service

Azure AI Language

Azure AI Document Intelligence

The Microsoft Bot Framework SDK

Answer:

Answer Area

Microsoft

Azure AI Document Intelligence can be used to create a knowledge base from frequently asked questions (FAQ).

Azure AI Bot Service

Azure AI Language

Azure AI Document Intelligence

The Microsoft Bot Framework SDK

NEW QUESTION: 115

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Microsoft

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.	<input type="radio"/>	<input type="radio"/>
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	<input type="radio"/>	<input type="radio"/>
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	<input type="radio"/>	<input type="radio"/>

Answer:

Microsoft

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.	<input checked="" type="radio"/>	<input type="radio"/>
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	<input type="radio"/>	<input checked="" type="radio"/>
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION: 116

Which two scenarios are examples of a conversational AI workload? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. a telephone answering service that has a pre-recorder message

- B. a chatbot that provides users with the ability to find answers on a website by themselves
- C. telephone voice menus to reduce the load on human resources
- D. a service that creates frequently asked questions (FAQ) documents by crawling public websites

Answer: B,C (LEAVE A REPLY)

B: A bot is an automated software program designed to perform a particular task. Think of it as a robot without a body.

C: Automated customer interaction is essential to a business of any size. In fact, 61% of consumers prefer to communicate via speech, and most of them prefer self-service. Because customer satisfaction is a priority for all businesses, self-service is a critical facet of any customer-facing communications strategy.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/big-data/ai-overview>

<https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/interactive-voice-response-bot>

NEW QUESTION: 117

You have a database that contains a list of employees and their photos.

You are tagging new photos of the employees.

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 Face service can be used to group all the employees who have similar facial characteristics.	<input type="radio"/>	<input type="radio"/>	
The Face service will be more accurate if you provide more sample photos of each employee from different angles.	<input type="radio"/>	<input type="radio"/>	
If an employee is wearing sunglasses, the Face service will always fail to recognize the employee.	<input type="radio"/>	<input type="radio"/>	

Answer:

Answer Area

Statements	Yes	No
The Face service can be used to group all the employees who have similar facial characteristics.	<input checked="" type="radio"/>	<input type="radio"/>
The Face service will be more accurate if you provide more sample photos of each employee from different angles.	<input checked="" type="radio"/>	<input type="radio"/>
If an employee is wearing sunglasses, the Face service will always fail to recognize the employee.	<input type="radio"/>	<input checked="" type="radio"/>

Reference:

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

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

NEW QUESTION: 118

You need to count the number of animals in a photograph. Which type of computer vision should you use?

- A. optical character recognition (OCR)
- B. facial detection
- C. image classification
- D. object detection

Answer: (SHOW ANSWER)

NEW QUESTION: 119

What is an advantage of using a custom model in Form Recognizer?

- A. A custom model is less expensive than a prebuilt model.
- B. A custom model can be trained to recognize a variety of form types.
- C. Only a custom model can be deployed on-premises.
- D. A custom model always provides higher accuracy.

Answer: B (LEAVE A REPLY)

NEW QUESTION: 120

What is an example of a regression model in machine learning?

- A. identifying population counts of endangered animals by analyzing images
- B. predicting the sale price of a house based on historical data, the size of the house, and the number of bedrooms in the house
- C. dividing the student data in a dataset based on the age of the students and their educational achievements
- D. identifying subtypes of spam email by examining a large collection of emails that were flagged by users

Answer: (SHOW ANSWER)

NEW QUESTION: 121

Which two components can you drag onto a canvas in Azure Machine Learning designer? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. dataset
- B. compute
- C. pipeline
- D. module

Answer: ([SHOW ANSWER](#))

You can drag-and-drop datasets and modules onto the canvas.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer>

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NEW QUESTION: 122

Select the answer that correctly completes the sentence.

Answer Area

Computer vision capabilities can be deployed to

- integrate a face detection feature into an app.
- develop a text-based chatbot for a website.
- identify anomalous customer behavior on an online store.
- integrate a face detection feature into an app.
- suggest automated responses to incoming email.

Answer:

Answer Area

Computer vision capabilities can be deployed to

- integrate a face detection feature into an app.
- develop a text-based chatbot for a website.
- identify anomalous customer behavior on an online store.
- integrate a face detection feature into an app.
- suggest automated responses to incoming email.

NEW QUESTION: 123

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.	<input type="radio"/>	<input type="radio"/>
Azure Machine Learning designer enables you to save your progress as a pipeline draft.	<input type="radio"/>	<input type="radio"/>
Azure Machine Learning designer enables you to include custom JavaScript functions.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Azure Machine Learning designer provides a drag-and-drop visual canvas to build, test, and deploy machine learning models.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Machine Learning designer enables you to save your progress as a pipeline draft.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Machine Learning designer enables you to include custom JavaScript functions.	<input type="radio"/>	<input checked="" type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer>

NEW QUESTION: 124

Extracting relationships between data from large volumes of unstructured data is an example of which type of AI workload?

- A. knowledge mining
- B. natural language processing (NLP)
- C. computer vision
- D. anomaly detection

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 125

You are designing an AI system that empowers everyone, including people who have hearing, visual, and other impairments.

This is an example of which Microsoft guiding principle for responsible AI?

- A. fairness
- B. inclusiveness
- C. reliability and safety
- D. accountability

Answer: B ([LEAVE A REPLY](#))

Inclusiveness: At Microsoft, we firmly believe everyone should benefit from intelligent technology, meaning it must incorporate and address a broad range of human needs and experiences. For the 1 billion people with disabilities around the world, AI technologies can be a game-changer.

Reference:

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

NEW QUESTION: 126

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

Answer Area

The handling of unusual or missing values provided to an AI system is a consideration for the Microsoft principle for responsible AI.

- inclusiveness
- privacy and security
- reliability and safety
- transparency

Answer:

Answer Area

The handling of unusual or missing values provided to an AI system is a consideration for the Microsoft principle for responsible AI.

- inclusiveness
- privacy and security
- reliability and safety
- transparency

NEW QUESTION: 127

Select the answer that correctly completes the sentence.

Answer Area

Correctly handling unusual or missing values is an example of the application of the principle for responsible AI.

- reliability and safety
- inclusiveness
- privacy and security
- reliability and safety
- transparency

Answer:

Correctly handling unusual or missing values is an example of the application of the

reliability and safety
 inclusiveness
 privacy and security
 reliability and safety
 transparency

principle for responsible AI.

NEW QUESTION: 128

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.	<input type="radio"/>	<input type="radio"/>
Automated machine learning can automatically infer the training data from the use case provided.	<input type="radio"/>	<input type="radio"/>
Automated machine learning works by running multiple training iterations that are scored and ranked by the metrics you specify.	<input type="radio"/>	<input type="radio"/>
Automated machine learning enables you to specify a dataset and will automatically understand which label to predict.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

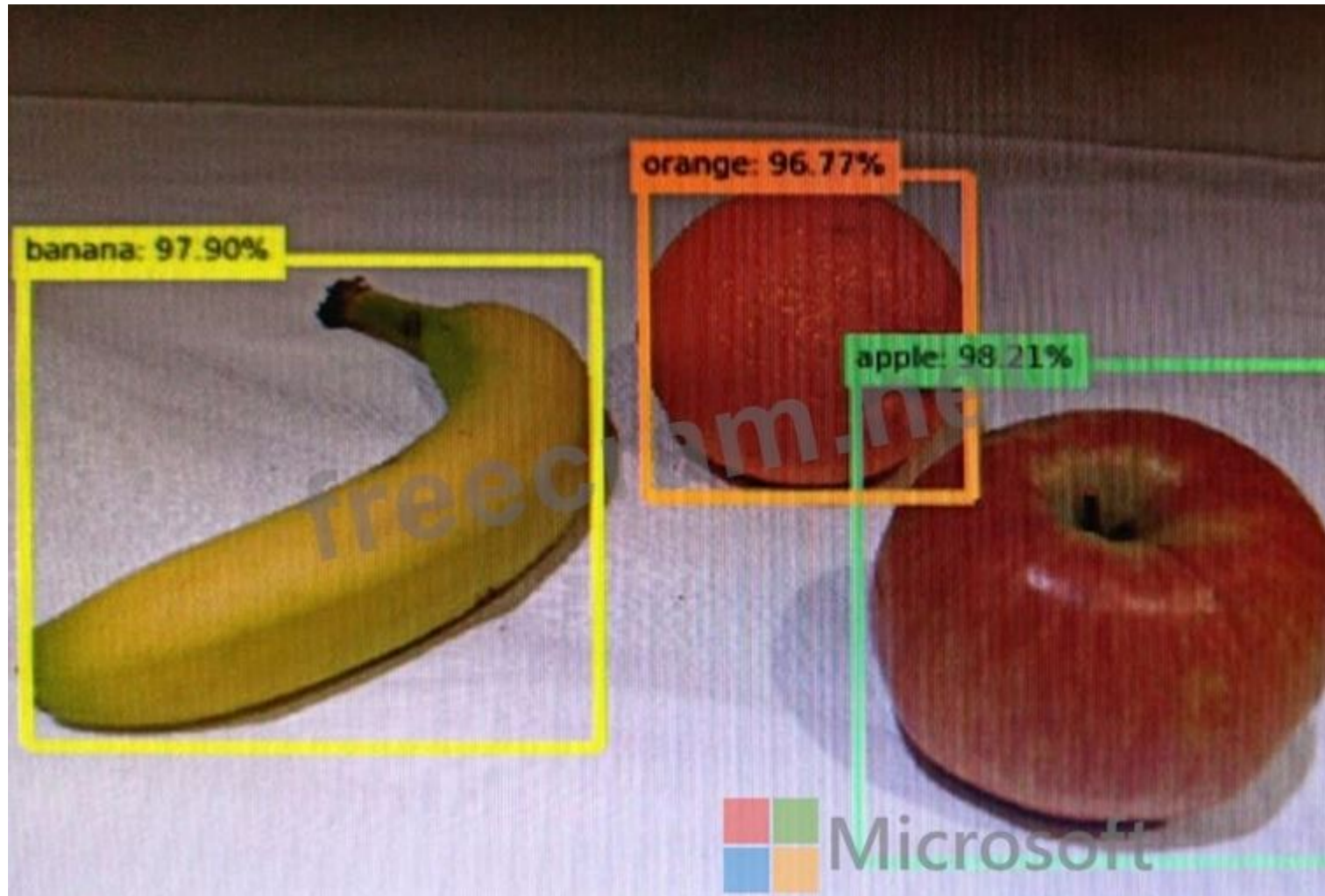
Statements	Yes	No
Automated machine learning is the process of automating the time-consuming, iterative tasks of machine learning model development.	<input checked="" type="radio"/>	<input type="radio"/>
Automated machine learning can automatically infer the training data from the use case provided.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

Reference:

<https://azure.microsoft.com/en-us/services/machine-learning/automatedml/#features>

NEW QUESTION: 129

You send an image to a Computer Vision API and receive back the annotated image shown in the exhibit.



Which type of computer vision was used?

- A. object detection
- B. semantic segmentation
- C. optical character recognition (OCR)
- D. image classification

Answer: (SHOW ANSWER)

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.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection>

NEW QUESTION: 130

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
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"/>

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/> You can use the Speech service to transcribe a call to text - Yes we can use Speech to Text API to achieve this

<https://docs.microsoft.com/en-us/learn/modules/recognize-synthesize-speech/1-introduction> You can use a speech service to translate the audio of a call to a different language - Yes we can use Speech translation service to achieve this The Speech service includes the following application programming interfaces (APIs):

Speech-to-text - used to transcribe speech from an audio source to text format.

Text-to-speech - used to generate spoken audio from a text source.

Speech Translation - used to translate speech in one language to text or speech in another.

<https://docs.microsoft.com/en-us/learn/modules/translate-text-with-translation-service/2-get-started-azure> You can use text analytics service to extract key entities from a call transcript -Yes Text Analytics API helps to achieve this

<https://docs.microsoft.com/en-us/learn/modules/analyze-text-with-text-analytics-service/2-get-started-azure>

NEW QUESTION: 131

What can be used to complete a paragraph based on a sentence provided by a user?

- A. Azure AI Language
- B. Azure AI Vision
- C. Azure OpenAI
- D. Azure Machine Learning

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 132

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 Azure AI Language Service's question answering? Each correct answer presents a complete solution.

NOTE: Each correct and ask questions by selection is worth one point.

- A. Manually enter the questions and answers.
- B. Connect the bot to the Cortana channel using Cortana.
- C. Import chat-chat content from a predefined data source.
- D. Generate the questions and answers from an existing webpage.
- E. Use Azure Machine Learning Automated ML to train a model based on a file that contains question and answer pairs.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 133

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

	▼	is the calculated probability of a correct image classification.
Accuracy		
Confidence		
Root Mean Square Error		
Sentiment		

Answer:

Accuracy	▼	is the calculated probability of a correct image classification.
Confidence		
Root Mean Square Error		
Sentiment		

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier>

NEW QUESTION: 134

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

Named entity recognition can be used to retrieve dates and times in a text string.

No

Key phrase extraction can be used to retrieve important phrases in a text string.

Key phrase extraction can be used to retrieve all the city names in a text string.

Answer:

Answer Area

Statements

Named entity recognition can be used to retrieve dates and times in a text string.

Yes

No

Key phrase extraction can be used to retrieve important phrases in a text string.

Key phrase extraction can be used to retrieve all the city names in a text string.

NEW QUESTION: 135

When training a model, why should you randomly split the rows into separate subsets?

- A. to train the model twice to attain better accuracy
- B. to train multiple models simultaneously to attain better performance
- C. to test the model by using data that was not used to train the model

Answer: (SHOW ANSWER)

The goal is to produce a trained (fitted) model that generalizes well to new, unknown data. The fitted model is evaluated using "new" examples from the held-out datasets (validation and test datasets) to estimate the model's accuracy in classifying new data.

https://en.wikipedia.org/wiki/Training,_validation,_and_test_sets#:~:text=Training%20dataset,-A%20training%20dataset&text=The%20goal%20is%20to%20produce,accuracy%20in%20classifying%20new%20data.

NEW QUESTION: 136

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

Answer: B (LEAVE A REPLY)

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NEW QUESTION: 137

Select the answer that correctly completes the sentence.

Answer Area

Predicting how many hours of overtime a delivery person will work based on the number of orders received is an example of

- classification.
- clustering.
- regression.




Answer:

Answer Area

Predicting how many hours of overtime a delivery person will work based on the number of orders received is an example of

- classification.
- clustering.
- regression.



NEW QUESTION: 138

You need to develop a web-based AI solution for a customer support system. Users must be able to interact with a web app that will guide them to the best resource or answer. Which service should you use?

- A. Custom Vision
- B. QnA Maker
- C. Translator Text
- D. Face

Answer: (SHOW ANSWER)

QnA Maker is a cloud-based API service that lets you create a conversational question-and-answer layer over your existing data. Use it to build a knowledge base by extracting questions and answers from your semistructured content, including FAQs, manuals, and documents. Answer users' questions with the best answers from the QnAs in your knowledge base-automatically. Your knowledge base gets smarter, too, as it continually learns from user behavior.

Incorrect Answers:

A: Azure Custom Vision is a cognitive service that lets you build, deploy, and improve your own image classifiers. An image classifier is an AI service that applies labels (which represent classes) to images, according to their visual characteristics. Unlike the Computer Vision service, Custom Vision allows you to specify the labels to apply.

D: Azure Cognitive Services Face Detection API: At a minimum, each detected face corresponds to a faceRectangle field in the response. This set of pixel coordinates for the left, top, width, and height mark the located face. Using these coordinates, you can get the location of the face and its size. In the API response, faces are listed in size order from largest to smallest.

Reference:

<https://azure.microsoft.com/en-us/services/cognitive-services/qna-maker/>

NEW QUESTION: 139

Your company wants to build a recycling machine for bottles. The recycling machine must automatically identify bottles of the correct shape and reject all other items. Which type of AI workload should the company use?

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

Answer: (SHOW ANSWER)

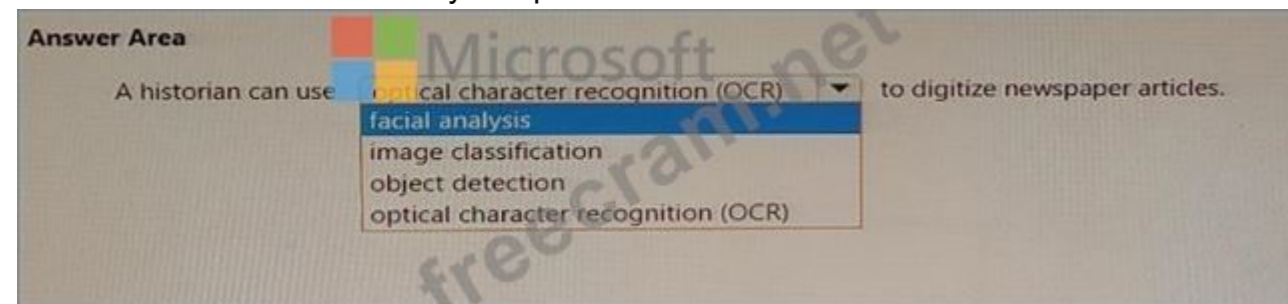
Azure's Computer Vision service gives you access to advanced algorithms that process images and return information based on the visual features you're interested in. For example, Computer Vision can determine whether an image contains adult content, find specific brands or objects, or find human faces.

Reference:

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

NEW QUESTION: 140

Select the answer that correctly completes the sentence.



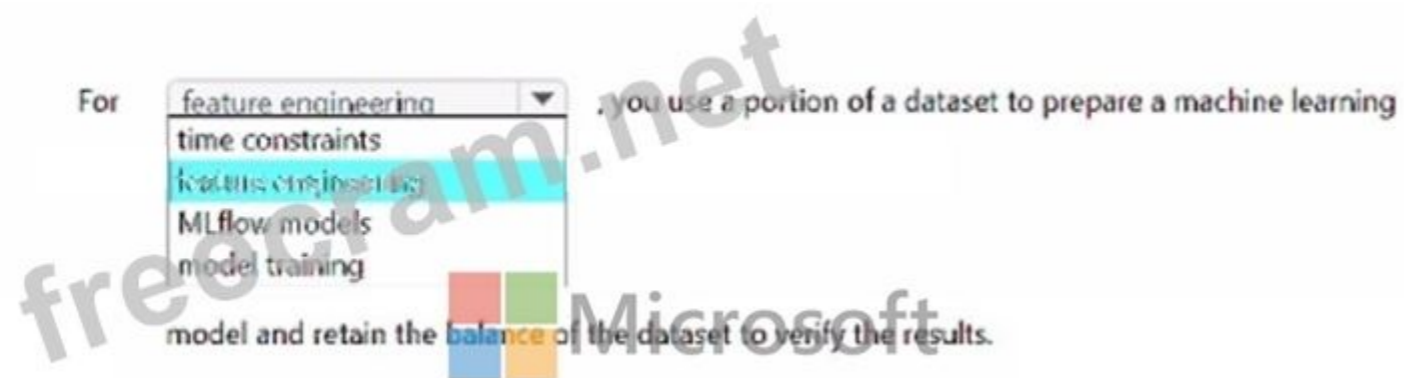
Answer:



NEW QUESTION: 141

Select the answer that correctly completes the sentence.

Answer Area



Answer:

Answer Area

For , you use a portion of a dataset to prepare a machine learning model and retain the balance of the dataset to verify the results.

- time constraints
- feature engineering**
- MLflow models
- model training

NEW QUESTION: 142

Select the answer that correctly completes the sentence

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

Answer:

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

NEW QUESTION: 143

You need to analyze images of vehicles on a highway and measure the distance between the vehicles. Which type of computer vision model should you use?

- A. facial recognition
- B. optical character recognition (OCR)
- C. image classification
- D. object detection

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 144

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

Using Recency, Frequency, and Monetary (RFM) values to identify segments of a customer base is an example of _____

Answer:

See the below in explanation

Explanation:

Classification

Using Recency, Frequency, and Monetary (RFM) values to identify segments of a customer base is an example of 

NEW QUESTION: 145

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: ([SHOW ANSWER](#))

Reference:

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

NEW QUESTION: 146

You need to implement a pre-built solution that will identify well-known brands in digital photographs. Which Azure AI service should you use?

- A. Custom Vision
- B. Computer Vision
- C. Form Recognizer
- D. Face

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 147

You need to build an app that will identify celebrities in images.

Which service should you use?

- A. Azure Machine Learning
- B. Azure AI Vision
- C. conversational language understanding (CLU)
- D. Azure OpenAI Service

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 148

Which scenario is an example of a webchat bot?

- A. From a website interface, answer common questions about scheduled events and ticket purchases for a music festival.
- B. Accept questions through email, and then route the email messages to the correct person based on the content of the message.
- C. Determine whether reviews entered on a website for a concert are positive or negative, and then add a thumbs up or thumbs down emoji to the reviews.
- D. Translate into English questions entered by customers at a kiosk so that the appropriate person can call the customers back.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 149

You need to predict the sea level in meters for the next 10 years.

Which type of machine learning should you use?

- A. classification
- B. regression
- C. clustering

Answer: ([SHOW ANSWER](#))

In the most basic sense, regression refers to prediction of a numeric target.

Linear regression attempts to establish a linear relationship between one or more independent variables and a numeric outcome, or dependent variable.

You use this module to define a linear regression method, and then train a model using a labeled dataset. The trained model can then be used to make predictions.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/linear-regression> Regression is a form of machine learning that is used to predict a numeric label based on an item's features.

<https://docs.microsoft.com/en-us/learn/modules/create-regression-model-azure-machine-learning-designer/introduction>

NEW QUESTION: 150

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.	<input type="radio"/>	<input type="radio"/>
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	<input type="radio"/>	<input type="radio"/>
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	<input type="radio"/>	<input type="radio"/>

Answer:

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.	<input checked="" type="radio"/>	<input type="radio"/>
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	<input type="radio"/>	<input checked="" type="radio"/>
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	<input type="radio"/>	<input checked="" type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai>

NEW QUESTION: 151

Which action can be performed by using the Azure AI Vision service?

- A. creating thumbnails for training videos
- B. extracting data from handwritten letters
- C. identifying breeds of animals in live video streams
- D. extracting key phrases from documents

Answer: A (LEAVE A REPLY)

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NEW QUESTION: 152

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. Speech
- B. Azure Cognitive Search
- C. Language service
- D. Azure Bot Service

Answer: (SHOW ANSWER)

NEW QUESTION: 153

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

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.

Yes	No
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements

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.

Yes	No
<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION: 154

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

Answer Area

A banking system that predicts whether a loan will be repaid is an example of the _____ type of machine learning.

- classification
- regression
- clustering

Answer:

Answer Area

A banking system that predicts whether a loan will be repaid is an example of the _____ type of machine learning.

- classification
- regression
- clustering

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