

Microsoft.AI-900.v2022-06-21.q107

Exam Code:	AI-900
Exam Name:	Microsoft Azure AI Fundamentals
Certification Provider:	Microsoft
Free Question Number:	107
Version:	v2022-06-21
# of views:	3049
# of Questions views:	1070
https://www.exam-tests.com/AI-900-exam/Microsoft.AI-900.v2022-06-21.q107.html	

NEW QUESTION: 1

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
Forecasting housing prices based on historical data is an example of anomaly detection.	☐	☐
Identifying suspicious sign-ins by looking for deviations from usual patterns is an example of anomaly detection.	☐	☐
Predicting whether a patient will develop diabetes based on the patient's medical history is an example of anomaly detection.	☐	☐

Answer:

Statements	Yes	No
Forecasting housing prices based on historical data is an example of anomaly detection.	☐	☒
Identifying suspicious sign-ins by looking for deviations from usual patterns is an example of anomaly detection.	☒	☐
Predicting whether a patient will develop diabetes based on the patient's medical history is an example of anomaly detection.	☒	☐

Explanation:

Anomaly detection encompasses many important tasks in machine learning:

Identifying transactions that are potentially fraudulent.

Learning patterns that indicate that a network intrusion has occurred.

Finding abnormal clusters of patients.
Checking values entered into a system.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/anomaly-detection>

NEW QUESTION: 2

For a machine learning progress, how should you split data for training and evaluation?

- A. Use features for training and labels for evaluation.
- B. Randomly split the data into rows for training and rows for evaluation.
- C. Use labels for training and features for evaluation.
- D. Randomly split the data into columns for training and columns for evaluation.

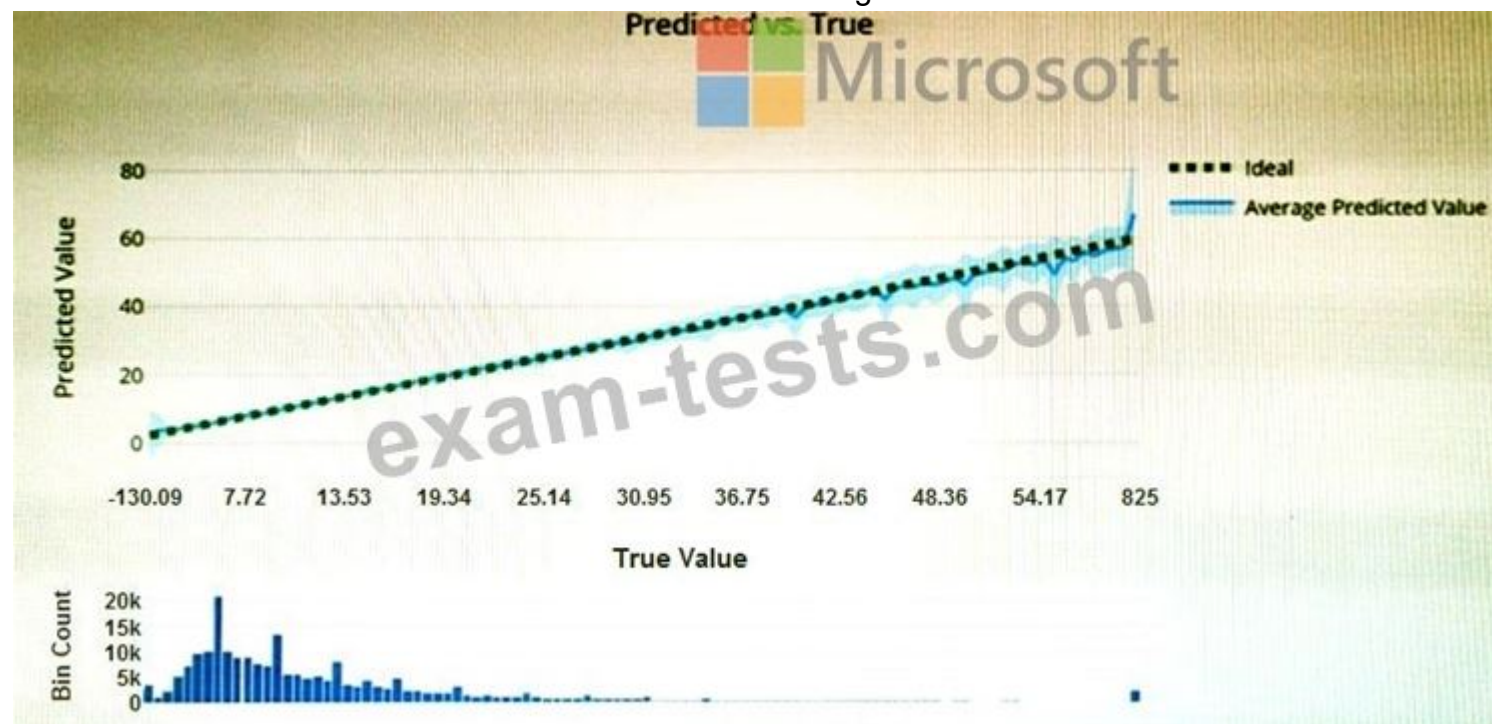
Answer: B ([LEAVE A REPLY](#))

Explanation

<https://docs.microsoft.com/en-us/azure/machine-learning/algorithm-module-reference/split-data>

NEW QUESTION: 3

You have the Predicted vs. True chart shown in the following exhibit.



Which type of model is the chart used to evaluate?

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

Answer: (SHOW ANSWER)

What is a Predicted vs. True chart?

Predicted vs. True shows the relationship between a predicted value and its correlating true value for a regression problem. This graph can be used to measure performance of a model as the closer to the $y=x$ line the predicted values are, the better the accuracy of a predictive model.

Reference:
<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-understand-automated-m>

NEW QUESTION: 4

Match the machine learning tasks to the appropriate scenarios.
To answer, drag the appropriate task from the column on the left to its scenario on the right. Each task may be used once, more than once, or not at all.
NOTE: Each correct selection is worth one point.

Learning Types

Feature engineering

Feature selection

Model deployment

Model evaluation

Model training

Answer Area

Task

Examining the values of a confusion matrix

Task

Splitting a date into month, day, and year fields

Task

Picking temperature and pressure to train a weather model

Answer:

Learning Types

Feature engineering

Feature selection

Model deployment

Model evaluation

Model training

Answer Area

Model evaluation

Examining the values of a confusion matrix

Feature engineering

Splitting a date into month, day, and year fields

Feature selection

Picking temperature and pressure to train a weather model

Reference:
<https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance>
<https://docs.microsoft.com/en-us/azure/machine-learning/concept-automated-ml>

NEW QUESTION: 5

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. 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.
- C. Accept questions through email, and then route the email messages to the correct person based on the content of the message.
- D. Translate into English questions entered by customers at a kiosk so that the appropriate person can call the customers back.

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

NEW QUESTION: 6

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>

NEW QUESTION: 7

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

Answer Area

From Azure Machine Learning designer, to deploy a real-time inference pipeline as a service for others to consume, you must deploy the model to

 exam-tests.com

a local web service.
Azure Container Instances.
Azure Kubernetes Service (AKS).
Azure Machine Learning compute.

Answer:

Statements	Yes	No
Chatbots can support voice input.	☐	☒
A separate chatbot is required for each communication channel.	☐	☒
Chatbots manage conversation flows by using a combination of natural language and constrained option responses.	☒	☐

Explanation

Answer Area

From Azure Machine Learning designer, to deploy a real-time inference pipeline as a service for others to consume, you must deploy the model to



To perform real-time inferencing, you must deploy a pipeline as a real-time endpoint.

Real-time endpoints must be deployed to an Azure Kubernetes Service cluster.

Reference:

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

NEW QUESTION: 8

You build a QnA Maker bot by using a frequently asked questions (FAQ) page.

You need to add professional greetings and other responses to make the bot more user friendly.

What should you do?

- A. Increase the confidence threshold of responses
- B. Enable active learning
- C. Create multi-turn questions
- D. Add chit-chat

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

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/chit-chat-knowledge-base?tabs=v1>

NEW QUESTION: 9

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 communicate with a bot by using email.	☐	☐
You can communicate with a bot by using Microsoft Teams.	☐	☐
You can communicate with a bot by using a webchat interface.	☐	☐

Answer:

Statements	Yes	No
You can communicate with a bot by using email.	☒	☐
You can communicate with a bot by using Microsoft Teams.	☒	☐
You can communicate with a bot by using a webchat interface.	☒	☐

Explanation

Statements	Yes	No
You can communicate with a bot by using email.	☒	☐
You can communicate with a bot by using Microsoft Teams.	☒	☐
You can communicate with a bot by using a webchat interface.	☒	☐

Reference:

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

NEW QUESTION: 10

For a machine learning progress, how should you split data for training and evaluation?

- A. Use features for training and labels for evaluation.
- B. Randomly split the data into rows for training and rows for evaluation.
- C. Use labels for training and features for evaluation.
- D. Randomly split the data into columns for training and columns for evaluation.

Answer: D (LEAVE A REPLY)

Section: Describe Artificial Intelligence workloads and considerations

Explanation:

In Azure Machine Learning, the percentage split is the available technique to split the data. In this technique, random data of a given percentage will be split to train and test data.

Reference:

<https://www.sqlshack.com/prediction-in-azure-machine-learning/>

NEW QUESTION: 11

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:

Answer Area



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: 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
A restaurant can use a chatbot to empower customers to make reservations by using a website or an app.	☐	☐
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	☐	☐
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	☐	☐

Answer:

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

Explanation

Graphical user interface, text, application, email Description automatically generated

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

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4>.

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.

Answer Area

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

Answer:

Answer Area

Microsoft

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

Reference:

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

NEW QUESTION: 14

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

Answer Area

Feature engineering

Feature selection

Model evaluation

Model training

is used to generate additional features.

Microsoft

Answer:

Statements Microsoft

	Yes	No
You can communicate with a bot by using email.	☐	☐
You can communicate with a bot by using Microsoft Teams.	☐	☐
You can communicate with a bot by using a webchat interface.	☐	☐

Explanation

Answer Area Microsoft

_____ 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: 15

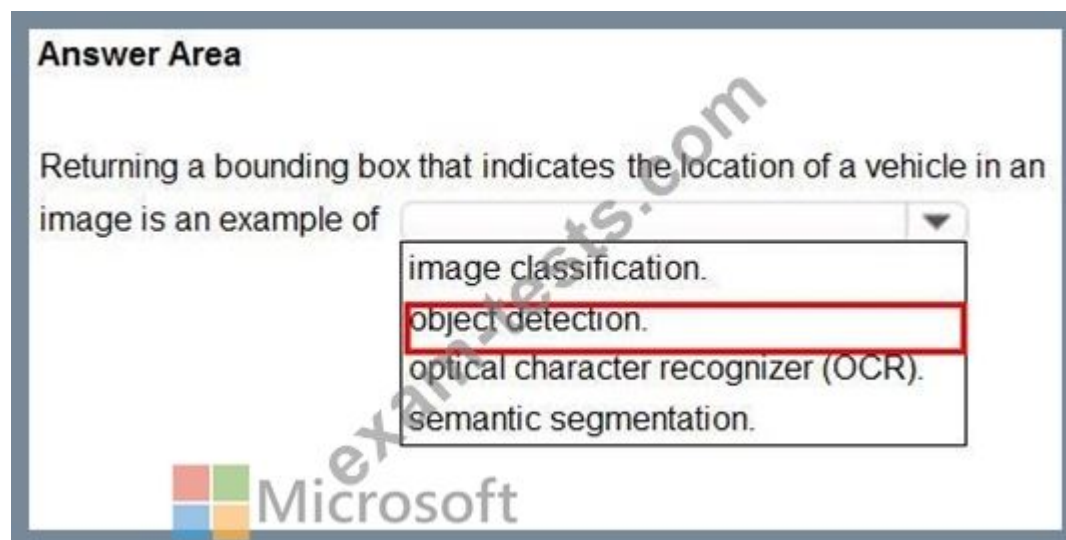
To complete the sentence, select the appropriate option in the answer area.

Answer Area

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

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

Answer:



Reference:

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

NEW QUESTION: 16

You run a charity event that involves posting photos of people wearing sunglasses on Twitter.

You need to ensure that you only retweet photos that meet the following requirements:

Include one or more faces.

Contain at least one person wearing sunglasses.

What should you use to analyze the images?

- A. the Verify operation in the Face service
- B. the Detect operation in the Face service
- C. the Describe Image operation in the Computer Vision service
- D. the Analyze Image operation in the Computer Vision service

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

Reference:

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

Valid AI-900 Dumps shared by BraindumpsPass.com for Helping Passing AI-900 Exam! BraindumpsPass.com now offer the **newest AI-900 exam dumps**, the BraindumpsPass.com AI-900 exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com AI-900 dumps with Test Engine here: <https://www.braindumpsPass.com/Microsoft/AI-900-practice-exam-dumps.html> (336 Q&As Dumps, **40%OFF** Special Discount: **Exam-Tests**)

NEW QUESTION: 17

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

NOTE: Each correct selection is worth one point.

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

Answer:

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

Reference:

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

NEW QUESTION: 18

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

NOTE: Each correct selection is worth one point.

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

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.	☒	☐
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	☐	☒
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	☐	☒

Reference:

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

NEW QUESTION: 19

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
Labelling is the process of tagging training data with known values.	☐	☐
You should evaluate a model by using the same data used to train the model.	☐	☐
Accuracy is always the primary metric used to measure a model's performance.	☐	☐

Answer:

Statements	Yes	No
Labelling is the process of tagging training data with known values.	☒	☐
You should evaluate a model by using the same data used to train the model.	☐	☒
Accuracy is always the primary metric used to measure a model's performance.	☐	☒

Explanation:

Box 1: Yes

In machine learning, if you have labeled data, that means your data is marked up, or annotated, to show the target, which is the answer you want your machine learning model to predict.

In general, data labeling can refer to tasks that include data tagging, annotation, classification, moderation, transcription, or processing.

Box 2: No

Box 3: No

Accuracy is simply the proportion of correctly classified instances. It is usually the first metric you look at when evaluating a classifier. However, when the test data is unbalanced (where most of the instances belong to one of the classes), or you are more interested in the performance on either one of the classes, accuracy doesn't really capture the effectiveness of a classifier.

Reference:

<https://www.cloudfactory.com/data-labeling-guide>

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

NEW QUESTION: 20

You need to determine the location of cars in an image so that you can estimate the distance between the cars.

Which type of computer vision should you use?

A. optical character recognition (OCR)

B. object detection

C. image classification

D. face detection

Answer: B (LEAVE A REPLY)

Section: Describe features of computer vision workloads on Azure

Explanation:

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: 21

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  Microsoft 

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: 22

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

Answer Area

You can use the

Computer Vision

Custom Vision

Form Recognizer

Video Indexer

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

Answer:

Answer Area

You can use the

Computer Vision

Custom Vision

Form Recognizer

Video Indexer

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

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/home> custom vision - This is a type of computer vision service which helps in building/training models using user provided data Creating an object detection solution with Custom Vision consists of three main tasks. First you must use upload and tag images, then you can train the model, and finally you must publish the model so that client applications can use it to generate predictions.

<https://docs.microsoft.com/en-us/learn/modules/detect-objects-images-custom-vision/2-object-detection-azure>

NEW QUESTION: 23

You need to predict the income range of a given customer by using the following dataset.

First Name	Last Name	Age	Education Level	Income Range
Orlando	Gee	45	University	25,000-50,000
Keith	Harris	36	High school	25,000-50,000
Donna	Carreras	52	University	50,000-75,000
Janet	Gates	21	University	75,000-100,000
Lucy	Harrington	68	High school	50,000-75,000

Which two fields should you use as features? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. Education Level
- B. Last Name
- C. Age
- D. Income Range
- E. First Name

Answer: (SHOW ANSWER)

Section: Describe fundamental principles of machine learning on Azure
Explanation:

First Name, Last Name, Age and Education Level are features. Income range is a label (what you want to predict). First Name and Last Name are irrelevant in that they have no bearing on income. Age and Education level are the features you should use.

NEW QUESTION: 24

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
Forecasting housing prices based on historical data is an example of anomaly detection.	☐	☐
Identifying suspicious sign-ins by looking for deviations from usual patterns is an example of anomaly detection.	☐	☐
Predicting whether a patient will develop diabetes based on the patient's medical history is an example of anomaly detection.	☐	☐

Answer:

Answer Area

Statements	Yes	No
Forecasting housing prices based on historical data is an example of anomaly detection.	☐	☒
Identifying suspicious sign-ins by looking for deviations from usual patterns is an example of anomaly detection.	☒	☐
Predicting whether a patient will develop diabetes based on the patient's medical history is an example of anomaly detection.	☒	☐

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/anomaly-detection>

NEW QUESTION: 25

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

NOTE: Each correct selection is worth one point.

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

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.	☒	☐
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	☐	☒
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	☒	☐

Explanation

Graphical user interface, text, application, email Description automatically generated

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

NEW QUESTION: 26

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.

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](#))

Section: Describe features of Natural Language Processing (NLP) workloads on Azure Explanation:

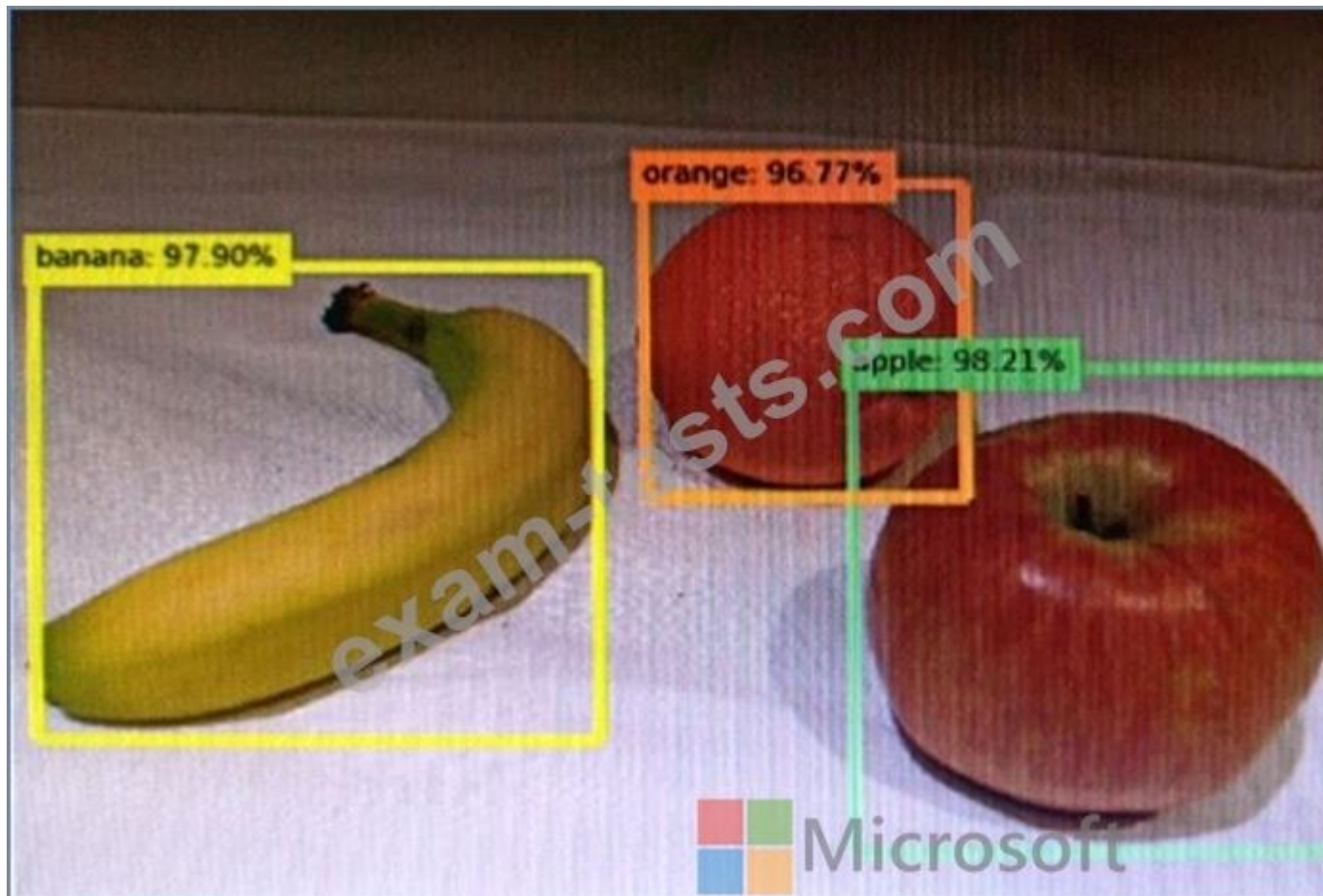
Key phrase extraction/ Broad entity extraction: Identify important concepts in text, including key phrases and named entities such as people, places, and organizations.

Reference:

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

NEW QUESTION: 27

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: A (LEAVE A REPLY)

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: 28

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: A,C (LEAVE A REPLY)

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: 29

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:
Answer Area



While presenting at a conference, your session is transcribed into subtitles for the audience. This is an example of

sentiment analysis.

speech recognition.

speech synthesis.

translation.

Explanation

workload types

Anomaly detection

Computer vision

Machine Learning (Regression)

Natural language processing

Answer Area

Computer vision

Natural language processing

Anomaly detection

Machine Learning (Regression)

Identify handwritten letters.

Predict the sentiment of a social media post.

Identify a fraudulent credit card payment.

Predict next month's toy sales.

Reference:

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

NEW QUESTION: 30

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](#))

Explanation

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:

vendor_id: The ID of the taxi vendor is a feature.

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: 31

Match the types of machine learning to the appropriate scenarios.

To answer, drag the appropriate machine learning type from the column on the left to its scenario on the right.

Each machine learning type may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Learning Types

Classification

Clustering

Regression

Answer Area

Learning Type

Predict how many minutes late a flight will arrive basen on the amount of snowfall at an airport.

Learning Type

Segment customers into different groups to support a marketing department.

Learning Type

Predict whether a student will complete a university course.



Answer:

Statements	Yes	No
A bot that responds to queries by internal users is an example of a conversational AI workload.	☒	☐
An application that displays images relating to an entered search term is an example of a conversational AI workload.	☐	☒
A web form used to submit a request to reset a password is an example of a conversational AI workload.	☒	☐

Explanation

- 1- Regression
- 2- Clustering
- 3- Classification

Valid AI-900 Dumps shared by BraindumpsPass.com for Helping Passing AI-900 Exam! BraindumpsPass.com now offer the **newest AI-900 exam dumps**, the BraindumpsPass.com AI-900 exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com AI-900 dumps with Test Engine here: <https://www.braindumpspass.com/Microsoft/AI-900-practice-exam-dumps.html> (336 Q&As Dumps, **40%OFF** Special Discount: **Exam-Tests**)

NEW QUESTION: 32

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: B (LEAVE A REPLY)

Text Analytics is an AI service that uncovers insights such as sentiment, entities, and key phrases in unstructured text.

Incorrect Answers:

D: Language Understanding (LUIS) is a cloud-based API service, not an AI 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.

Reference:

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

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

NEW QUESTION: 33

Which type of machine learning should you use to predict the number of gift cards that will be sold next month?

A. classification

B. regression

C. clustering

Answer: C (LEAVE A REPLY)

Clustering, in machine learning, is a method of grouping data points into similar clusters. It is also called segmentation.

Over the years, many clustering algorithms have been developed. Almost all clustering algorithms use the features of individual items to find similar items. For example, you might apply clustering to find similar people by demographics. You might use clustering with text analysis to group sentences with similar topics or sentiment.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/machine-learning-initialize-model-clustering>

NEW QUESTION: 34

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	Yes	No	
		The Text Analytics service can identify in which language text is written.	☐	☐	
		The Text Analytics service can detect handwritten signatures in a document.	☐	☐	
		The Text Analytics service can identify companies and organizations mentioned in a document.	☐	☐	

Answer:

Answer Area



Statements

Yes

No

The Text Analytics service can identify in which language text is written. ☒

☐

The Text Analytics service can detect handwritten signatures in a document. ☐

☒

The Text Analytics service can identify companies and organizations mentioned in a document. ☒

☐

Explanation

Answer Area

Statements

Yes

No

The Text Analytics service can identify in which language text is written. ☒

☐

The Text Analytics service can detect handwritten signatures in a document. ☐

☒

The Text Analytics service can identify companies and organizations mentioned in a document. ☒

☐



The Text Analytics API is a cloud-based service that provides advanced natural language processing over raw text, and includes four main functions: sentiment analysis, key phrase extraction, named entity recognition, and language detection.

Box 1: Yes

You can detect which language the input text is written in and report a single language code for every document submitted on the request in a wide range of languages, variants, dialects, and some regional/cultural languages. The language code is paired with a score indicating the strength of the score.

Box 2: No

Box 3: Yes

Named Entity Recognition: Identify and categorize entities in your text as people, places, organizations, date/time, quantities, percentages, currencies, and more. Well-known entities are also recognized and linked to more information on the web.

Reference:

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

NEW QUESTION: 35

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

A. QnA Maker

B. Language Understanding (LUIS)

- C. Text Analytics
- D. Speech

Answer: A (LEAVE A REPLY)

Section: Describe features of conversational AI workloads on Azure

NEW QUESTION: 36

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: A,C (LEAVE A REPLY)

Section: Describe fundamental principles of machine learning on Azure

Explanation:

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: 37

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	Yes	No
	The Text Analytics service can identify in which language text is written.	☐	☐
	The Text Analytics service can detect handwritten signatures in a document.	☐	☐
	The Text Analytics service can identify companies and organizations mentioned in a document.	☐	☐

Answer:

Answer Area

Statements	Yes	No
The Text Analytics service can identify in which language text is written.	☒	☐
The Text Analytics service can detect handwritten signatures in a document.	☐	☒
The Text Analytics service can identify companies and organizations mentioned in a document.	☒	☐

Reference:

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

NEW QUESTION: 38

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: C (LEAVE A REPLY)

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: 39

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)

Section: Describe Artificial Intelligence workloads and considerations

Explanation:

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: 40

You need to determine the location of cars in an image so that you can estimate the distance between the cars.

Which type of computer vision should you use?

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

Answer: B (LEAVE A REPLY)

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: 41

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

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.

Reference:

NEW QUESTION: 42

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



Answer:



Explanation

Graphical user interface, application Description automatically generated.



NEW QUESTION: 43

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
Labelling is the process of tagging training data with known values.	☐	☐
You should evaluate a model by using the same data used to train the model.	☐	☐
Accuracy is always the primary metric used to measure a model's performance.	☐	☐

Answer:

Statements	Yes	No
Labelling is the process of tagging training data with known values.	☒	☐
You should evaluate a model by using the same data used to train the model.	☐	☒
Accuracy is always the primary metric used to measure a model's performance.	☐	☒

Reference:

<https://www.cloudfactory.com/data-labeling-guide>

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

NEW QUESTION: 44

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

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

- anomaly detection.
- computer vision.
- conversational AI.
- forecasting.

Answer:

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

- anomaly detection.
- computer vision.
- conversational AI.**
- forecasting.

Explanation:

With Microsoft's Conversational AI tools developers can build, connect, deploy, and manage intelligent bots that naturally interact with their users on a website, app, Cortana, Microsoft Teams, Skype, Facebook Messenger, Slack, and more.

Reference:

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

NEW QUESTION: 45

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. increased sales
- C. a reduced workload for the customer service agents

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

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

Data values that influence the prediction of a model are called

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

Answer:

Data values that influence the prediction of a model are called

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

Explanation:

In machine learning, if you have labeled data, that means your data is marked up, or annotated, to show the target, which is the answer you want your machine learning model to predict.

In general, data labeling can refer to tasks that include data tagging, annotation, classification, moderation, transcription, or processing.

Incorrect Answers:

Not features: In machine learning and statistics, feature selection is the process of selecting a subset of relevant, useful features to use in building an analytical model. Feature selection helps narrow the field of data to the most valuable inputs. Narrowing the field of data helps reduce noise and improve training performance.

Reference:

<https://www.cloudfactory.com/data-labeling-guide>

Valid AI-900 Dumps shared by BraindumpsPass.com for Helping Passing AI-900 Exam! BraindumpsPass.com now offer the **newest AI-900 exam dumps**, the BraindumpsPass.com AI-900 exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com AI-900 dumps with Test Engine here: <https://www.braindumps.com/Microsoft/AI-900-practice-exam-dumps.html> (336 Q&As Dumps, **40%OFF Special Discount: Exam-Tests**)

NEW QUESTION: 47

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

Facial recognition

Image classification

Object detection

Optical character recognition (OCR)

Answer Area

Workload Type

Identify celebrities in images.

Workload Type

Extract movie title names from movie poster images.

Workload Type

Locate vehicles in images.

Answer:

Workloads Types

Facial recognition

Image classification

Object detection

Optical character recognition (OCR)

Answer Area

Facial recognition

Identify celebrities in images.

Optical character recognition (OCR)

Extract movie title names from movie poster images.

Object detection

Locate vehicles in images.

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: 48

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.



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: A (LEAVE A REPLY)

<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: 49

Which metric can you use to evaluate a classification model?

- A. true positive rate
- B. mean absolute error (MAE)
- C. coefficient of determination (R2)
- D. root mean squared error (RMSE)

Answer: A (LEAVE A REPLY)

Section: Describe fundamental principles of machine learning on Azure

Explanation:

What does a good model look like?

An ROC curve that approaches the top left corner with 100% true positive rate and 0% false positive rate will be the best model. A random model would display as a flat line from the bottom left to the top right corner. Worse than random would dip below the $y=x$ line.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-understand-automated-ml#classification>

NEW QUESTION: 50

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

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

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.	☒	☐
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	☐	☒
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	☒	☐

Explanation

Graphical user interface, text, application, email Description automatically generated

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

NEW QUESTION: 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.	☐	☐
Azure Bot Service engages with customers in a conversational manner.	☐	☐
Azure Bot Service can import frequently asked questions (FAQ) to question and answer sets.	☐	☐

Answer:

Statements	Yes	No
Azure Bot Service and Azure Cognitive Services can be integrated.	☐	☐
Azure Bot Service engages with customers in a conversational manner.	☐	☐
Azure Bot Service can import frequently asked questions (FAQ) to question and answer sets.	☐	☐

Explanation

Statements	Yes	No
Azure Bot Service and Azure Cognitive Services can be integrated.	☒	☐
Azure Bot Service engages with customers in a conversational manner.	☒	☐
Azure Bot Service can import frequently asked questions (FAQ) to question and answer sets.	☐	☒

Box 1: Yes

Azure bot service can be integrated with the powerful AI capabilities with Azure Cognitive Services.

Box 2: Yes

Azure bot service engages with customers in a conversational manner.

Box 3: No

The QnA Maker service creates knowledge base, not question and answers sets.

Note: You can use the QnA Maker service and a knowledge base to add question-and-answer support to your bot. When you create your knowledge base, you seed it with questions and answers.

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

NEW QUESTION: 52

In which two scenarios can you use a speech synthesis solution? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. an automated voice that reads back a credit card number entered into a telephone by using a numeric keypad
- B. generating live captions for a news broadcast
- C. extracting key phrases from the audio recording of a meeting
- D. an AI character in a computer game that speaks audibly to a player

Answer: A,D (LEAVE A REPLY)

Azure Text to Speech is a Speech service feature that converts text to lifelike speech.
Reference:
<https://azure.microsoft.com/en-in/services/cognitive-services/text-to-speech/>

NEW QUESTION: 53

You plan to apply Text Analytics API features to a technical support ticketing system.
Match the Text Analytics API features to the appropriate natural language processing scenarios.
To answer, drag the appropriate feature from the column on the left to its scenario on the right. Each feature may be used once, more than once, or not at all.
NOTE: Each correct selection is worth one point.

API Features	Answer Area
Entity recognition	API Feature Understand how upset a customer is based on the text contained in the support ticket.
Key phrase extraction	API Feature Summarize important information from the support ticket.
Language detection	API Feature Extract key dates from the support ticket.
Sentiment analysis	

Answer:

API Features

Entity recognition

Key phrase extraction

Language detection

Sentiment analysis

Answer Area

Sentiment analysis

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

Key phrase extraction

Summarize important information from the support ticket.

Entity recognition

Extract key dates from the support ticket.

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: 54

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

Answer Area

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

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

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 recognizer (OCR).
- semantic segmentation.

Reference:

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

NEW QUESTION: 55

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 QnA Maker to query an Azure SQL database.	☐	☐
You should use QnA Maker when you want a knowledge base to provide the same answer to different users who submit similar questions.	☐	☐
The QnA Maker service can determine the intent of a user utterance.	☐	☐

Answer:

Statements	Yes	No
You can use QnA Maker to query an Azure SQL database.	☐	☒
You should use QnA Maker when you want a knowledge base to provide the same answer to different users who submit similar questions.	☒	☐
The QnA Maker service can determine the intent of a user utterance.	☐	☒

Explanation

Statements	Yes	No
You can use QnA Maker to query an Azure SQL database.	☐	☒
You should use QnA Maker when you want a knowledge base to provide the same answer to different users who submit similar questions.	☒	☐
The QnA Maker service can determine the intent of a user utterance.	☐	☒

Reference:

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

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/choose-natural-language-processing-service>

NEW QUESTION: 56

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.	☐	☐
The Custom Vision service requires that you provide your own data to train the model.	☐	☐
The Custom Vision service can be used to analyze video files.	☐	☐

Answer:

Statements	Yes	No
The Custom Vision service can be used to detect objects in an image.	☒	☐
The Custom Vision service requires that you provide your own data to train the model.	☒	☐
The Custom Vision service can be used to analyze video files.	☐	☒

Reference:

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

NEW QUESTION: 57

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

Answer Area

Data values that influence the prediction of a model are called

dependant variables.

features.

identifiers.

labels.

Answer:

Answer Area



Data values that influence the prediction of a model are called

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

Explanation

Answer Area

Data values that influence the prediction of a model are called

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

In machine learning, if you have labeled data, that means your data is marked up, or annotated, to show the target, which is the answer you want your machine learning model to predict.

In general, data labeling can refer to tasks that include data tagging, annotation, classification, moderation, transcription, or processing.

Reference:

<https://www.cloudfactory.com/data-labeling-guide>

NEW QUESTION: 58

What is a use case for classification?

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

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

Classification is a machine learning method that uses data to determine the category, type, or class of an item or row of data.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/algorithm-module-reference/linear-regression>

<https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/machine-learning-initialize-model-clustering>

NEW QUESTION: 59

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: 60

You need to provide content for a business chatbot that will help answer simple user queries.

What are three ways to create Question: 57

solution.

NOTE: Each correct selection is worth one point.

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

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

Extract question answer pairs from semi-structured content, including FAQ pages, support websites, excel files, SharePoint documents, product manuals and policies.

Reference:

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

NEW QUESTION: 61

You are developing a conversational AI solution that will communicate with users through multiple channels including email, Microsoft Teams, and webchat.

Which service should you use?

- A. Text Analytics
- B. Azure Bot Service
- C. Translator
- D. Form Recognizer

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

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4>.

Valid AI-900 Dumps shared by BraindumpsPass.com for Helping Passing AI-900 Exam! BraindumpsPass.com now offer the **newest AI-900 exam dumps**, the BraindumpsPass.com AI-900 exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com AI-900 dumps with Test Engine here: <https://www.braindumpsPASS.com/Microsoft/AI-900-practice-exam-dumps.html> (336 Q&As Dumps, **40%OFF** Special Discount: **Exam-Tests**)

NEW QUESTION: 62

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

Explanation

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: 63

Your website has a chatbot to assist customers.

You need to detect when a customer is upset based on what the customer types in the chatbot.

Which type of AI workload should you use?

- A. anomaly detection

- B. semantic segmentation
- C. regression
- D. natural language processing

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

Natural language processing (NLP) is used for tasks such as sentiment analysis, topic detection, language detection, key phrase extraction, and document categorization.

Sentiment Analysis is the process of determining whether a piece of writing is positive, negative or neutral.

Reference:

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

NEW QUESTION: 64

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: A,D ([LEAVE A REPLY](#))

Explanation

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

Reference:

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

NEW QUESTION: 65

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

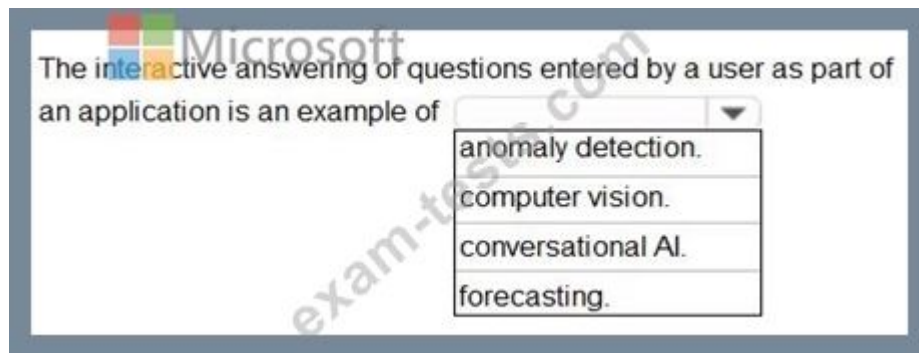
Answer: ([SHOW ANSWER](#))

Reference:

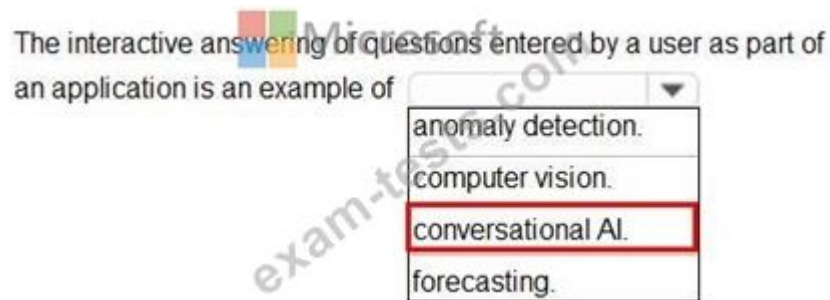
<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/data-sources-and-content>

NEW QUESTION: 66

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



Answer:



Reference:

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

NEW QUESTION: 67

You need to create a training dataset and validation dataset from an existing dataset.

Which module in the Azure Machine Learning designer should you use?

- A.** Select Columns in Dataset
- B.** Add Rows
- C.** Split Data
- D.** Join Data

Answer: C (LEAVE A REPLY)

A common way of evaluating a model is to divide the data into a training and test set by using Split Data, and then validate the model on the training data.

Use the Split Data module to divide a dataset into two distinct sets.

The studio currently supports training/validation data splits

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-configure-cross-validation-data-splits2>

NEW QUESTION: 68

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

NOTE: Each correct selection is worth one point.

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

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.	☒	☐
A triage bot that prioritizes insurance claims based on injuries is an example of the Microsoft reliability and safety principle for responsible AI.	☐	☒
An AI solution that is offered at different prices for different sales territories is an example of the Microsoft inclusiveness principle for responsible AI.	☒	☐

NEW QUESTION: 69

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 inclusiveness principle for responsible AI.

inclusiveness
privacy and security
reliability and safety
transparency

Answer:

Answer Area

While presenting at a conference, your session is transcribed into subtitles for the audience. This is an example of speech recognition.

sentiment analysis.
speech recognition.
speech synthesis.
translation.

Explanation

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

Privacy and security.

As AI becomes more prevalent, protecting privacy and securing important personal and business information is becoming more critical and complex. With AI, privacy and data security issues require especially close attention because access to data is essential for AI systems to make accurate and informed predictions and decisions about people. AI systems must comply with privacy laws that require transparency about the collection, use, and storage of data and mandate that consumers have appropriate controls to choose how their data is used. At Microsoft, we are continuing to research privacy and security breakthroughs (see next unit) and invest in robust compliance processes to ensure that data collected and used by our AI systems is handled responsibly.

Reference:

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

NEW QUESTION: 70

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

Answer:

Answer Area

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

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: 71

Match the machine learning tasks to the appropriate scenarios.

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

NOTE: Each correct selection is worth one point.

Learning Types

Feature engineering

Feature selection

Model deployment

Model evaluation

Model training

Answer Area

Task

Examining the values of a confusion matrix

Task

Splitting a date into month, day, and year fields

Task

Picking temperature and pressure to train a weather model

Answer:

Learning Types

Feature engineering

Feature selection

Model deployment

Model evaluation

Model training

Answer Area

Model evaluation

Examining the values of a confusion matrix

Feature engineering

Splitting a date into month, day, and year fields

Feature selection

Picking temperature and pressure to train a weather model

Reference:

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

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

NEW QUESTION: 72

Match the types of natural languages processing 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

Entity recognition
Key phrase extraction
Language modeling
Sentiment analysis
Natural language processing
Translation
Speech recognition and speech synthesis

Answer Area

Workload Type	Extracts persons, locations, and organizations from the text
Workload Type	Evaluates text along a positive-negative scale
Workload Type	Returns text translated to the specified target language

Answer:

Workloads Types	Answer Area
Entity recognition	Key phrase extraction
Key phrase extraction	Sentiment analysis
Language modeling	Translation
Sentiment analysis	
Natural language processing	
Translation	
Speech recognition and speech synthesis	

Explanation:

Box 1: Key phrase extraction

Broad entity extraction: Identify important concepts in text, including key phrases and named entities such as people, places, and organizations.

Box 2: Sentiment analysis

Sentiment Analysis is the process of determining whether a piece of writing is positive, negative or neutral.

Box 3: Translation

Using Microsoft's Translator text API

This versatile API from Microsoft can be used for the following: Translate text from one language to another.
Transliterate text from one script to another. Detecting language of the input text.
Find alternate translations to specific text. Determine the sentence length.

Incorrect Answers:

Not Natural language processing (NLP), which is used for tasks such as sentiment analysis, topic detection, language detection, key phrase extraction, and document categorization.

Reference:

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

NEW QUESTION: 73

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 Text Analytics service can identify in which language text is written.	☐	☐
The Text Analytics service can detect handwritten signatures in a document.	☐	☐
The Text Analytics service can identify companies and organizations mentioned in a document.	☐	☐

Answer:

Answer Area

Statements	Yes	No
The Text Analytics service can identify in which language text is written.	☒	☐
The Text Analytics service can detect handwritten signatures in a document.	☐	☒
The Text Analytics service can identify companies and organizations mentioned in a document.	☒	☐

Explanation

Answer Area

Microsoft

Statements	Yes	No
The Text Analytics service can identify in which language text is written.	☒	☐
The Text Analytics service can detect handwritten signatures in a document.	☐	☒
The Text Analytics service can identify companies and organizations mentioned in a document.	☒	☐

The Text Analytics API is a cloud-based service that provides advanced natural language processing over raw text, and includes four main functions: sentiment analysis, key phrase extraction, named entity recognition, and language detection.

Box 1: Yes

You can detect which language the input text is written in and report a single language code for every document submitted on the request in a wide range of languages, variants, dialects, and some regional/cultural languages. The language code is paired with a score indicating the strength of the score.

Box 2: No

Box 3: Yes

Named Entity Recognition: Identify and categorize entities in your text as people, places, organizations, date/time, quantities, percentages, currencies, and more. Well-known entities are also recognized and linked to more information on the web.

Reference:

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

NEW QUESTION: 74

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

Answer Area

Microsoft

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.

 Microsoft

NEW QUESTION: 75

You need to reduce the load on telephone operators by implementing a chatbot to answer simple questions with predefined answers.

Which two AI service should you use to achieve the goal? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

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

Answer: B,C (LEAVE A REPLY)

Explanation

Bots are a popular way to provide support through multiple communication channels. You can use the QnA Maker service and Azure Bot Service to create a bot that answers user questions.

Reference:

<https://docs.microsoft.com/en-us/learn/modules/build-faq-chatbot-qna-maker-azure-bot-service/>

NEW QUESTION: 76

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

Answer:

Answer Area



Microsoft

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

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

Reference:

<https://docs.microsoft.com/en-gb/azure/cognitive-services/text-analytics/overview>

<https://azure.microsoft.com/en-gb/services/cognitive-services/speech-services/>

Valid AI-900 Dumps shared by BraindumpsPass.com for Helping Passing AI-900 Exam! BraindumpsPass.com now offer the **newest AI-900 exam dumps**, the BraindumpsPass.com AI-900 exam **questions have been updated** and **answers have been corrected** get

NEW QUESTION: 77

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.	☐	☐
An application that displays images relating to an entered search term is an example of a conversational AI workload.	☐	☐
A web form used to submit a request to reset a password is an example of a conversational AI workload.	☐	☐

Answer:

Statements	Yes	No
A bot that responds to queries by internal users is an example of a conversational AI workload.	☒	☐
An application that displays images relating to an entered search term is an example of a conversational AI workload.	☐	☒
A web form used to submit a request to reset a password is an example of a conversational AI workload.	☒	☐

Explanation

Graphical user interface, text, application, email Description automatically generated

Statements	Yes	No
A bot that responds to queries by internal users is an example of a conversational AI workload.	☐	☐
An application that displays images relating to an entered search term is an example of a conversational AI workload.	☐	☐
A web form used to submit a request to reset a password is an example of a conversational AI workload.	☐	☐

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4>.

NEW QUESTION: 78

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
When creating an object detection model in the Custom Vision service, you must choose a classification type of either Multilabel or Multiclass .	☐	☐
You can create an object detection model in the Custom Vision service to find the location of content within an image.	☐	☐
When creating an object detection model in the Custom Vision service, you can select from a set of predefined domains.	☐	☐

Answer:
Answer Area

Statements	Yes	No
When creating an object detection model in the Custom Vision service, you must choose a classification type of either Multilabel or Multiclass .	☐	☒
You can create an object detection model in the Custom Vision service to find the location of content within an image.	☒	☐
When creating an object detection model in the Custom Vision service, you can select from a set of predefined domains.	☒	☐

Explanation

Answer Area



Statements	Yes	No
When creating an object detection model in the Custom Vision service, you must choose a classification type of either Multilabel or Multiclass .	☐	☒
You can create an object detection model in the Custom Vision service to find the location of content within an image.	☒	☐
When creating an object detection model in the Custom Vision service, you can select from a set of predefined domains.	☒	☐

Reference:

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

NEW QUESTION: 79

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: B (LEAVE A REPLY)

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:

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: 80

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: B (LEAVE A REPLY)

Section: Describe fundamental principles of machine learning on Azure

Explanation:

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>

NEW QUESTION: 81

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

Answer Area

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

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

Answer:

Answer Area

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

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

Explanation

Answer Area

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

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

Accelerate your business processes by automating information extraction. Form Recognizer applies advanced machine learning to accurately extract text, key/value pairs, and tables from documents. With just a few samples, Form Recognizer tailors its understanding to your documents, both on-premises and in the cloud.

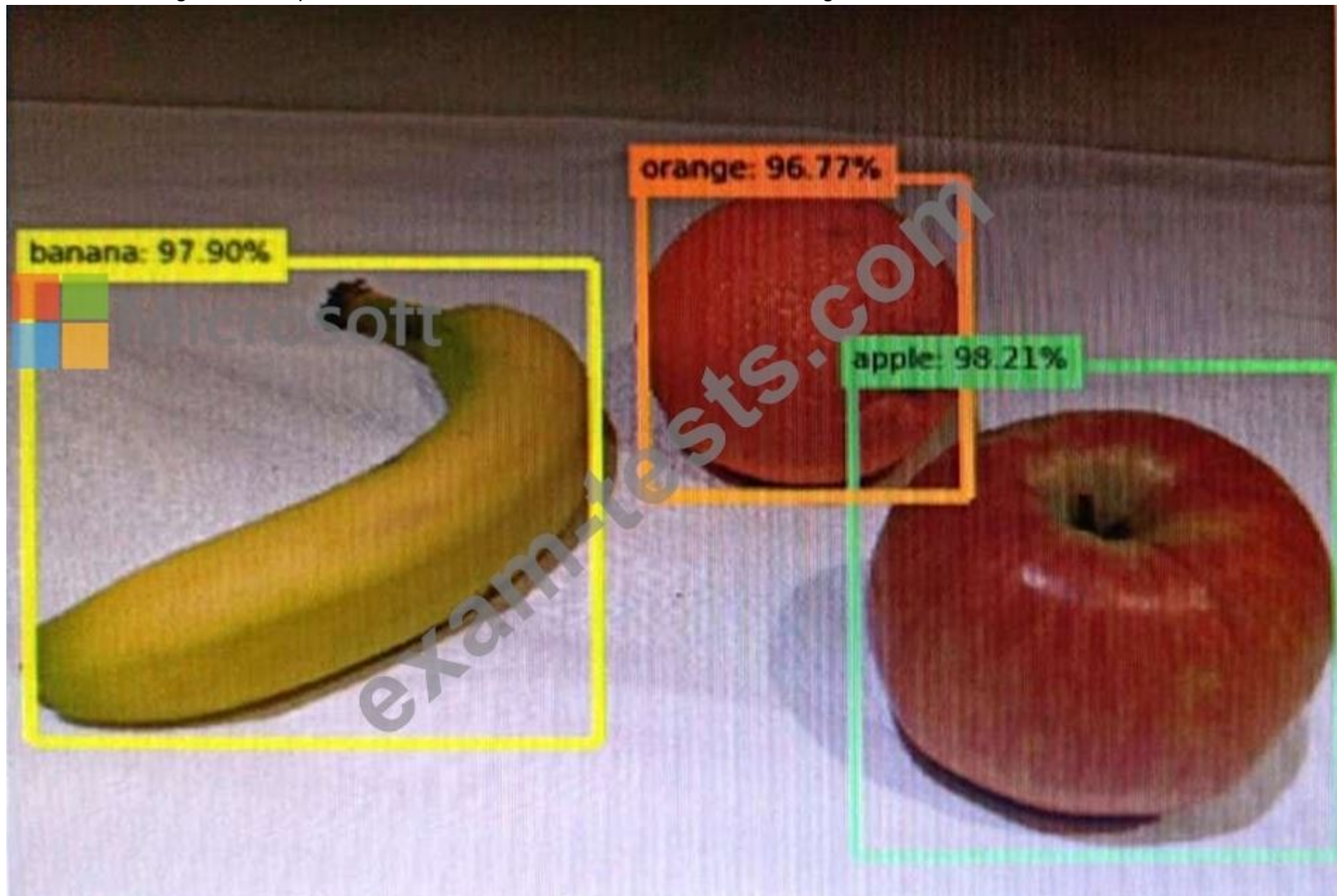
Turn forms into usable data at a fraction of the time and cost, so you can focus more time acting on the information rather than compiling it.

Reference:

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

NEW QUESTION: 82

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: 83

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.	☐	☐
A separate chatbot is required for each communication channel.	☐	☐
Chatbots manage conversation flows by using a combination of natural language and constrained option responses.	☐	☐

Answer:

Statements	Yes	No
Chatbots can support voice input.	☐	☒
A separate chatbot is required for each communication channel.	☐	☒
Chatbots manage conversation flows by using a combination of natural language and constrained option responses.	☒	☐

Explanation

Graphical user interface, text, application, email Description automatically generated

Statements	Yes	No
Chatbots can support voice input.	☐	☒
A separate chatbot is required for each communication channel.	☐	☒
Chatbots manage conversation flows by using a combination of natural language and constrained option responses.	☒	☐

NEW QUESTION: 84

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 Area

Household Income:

A feature

A label

House Price Category:

A feature

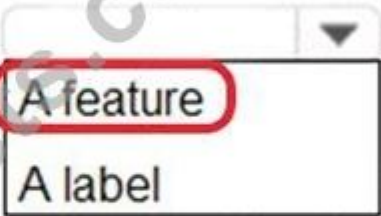
A label

Answer:

Statements	Yes	No
You can use QnA Maker to query an Azure SQL database.	☐	☒
You should use QnA Maker when you want a knowledge base to provide the same answer to different users who submit similar questions.	☒	☐
The QnA Maker service can determine the intent of a user utterance.	☐	☒

Explanation

Answer Area

Household Income: 

House Price Category: 

Box 1: A feature

Box 2: A label

Reference:

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

NEW QUESTION: 85

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

NOTE: Each correct selection is worth one point.

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

Answer:

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

Reference:

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

NEW QUESTION: 86

Which AI service can you use to interpret the meaning of a user input such as "Call me back later?"

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

Answer: D (LEAVE A REPLY)

Section: Describe features of Natural Language Processing (NLP) workloads on Azure Explanation:

Language Understanding (LUIS) is a cloud-based AI 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.

Reference:

NEW QUESTION: 87

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
When creating an object detection model in the Custom Vision service, you must choose a classification type of either Multilabel or Multiclass .	☐	☐
You can create an object detection model in the Custom Vision service to find the location of content within an image.	☐	☐
When creating an object detection model in the Custom Vision service, you can select from a set of predefined domains.	☐	☐

Answer:

Workloads Types

Entity recognition

Key phrase extraction

Language modeling

Sentiment analysis

Natural language processing

Translation

Speech recognition and speech synthesis

Answer Area

Key phrase extraction

Sentiment analysis

Translation

Extracts persons, locations, and organizations from the text

Evaluates text along a positive-negative scale

Returns text translated to the specified target language

Explanation

Answer Area		Yes	No
Statements			
When creating an object detection model in the Custom Vision service, you must choose a classification type of either Multilabel or Multiclass .	☐	☒	
You can create an object detection model in the Custom Vision service to find the location of content within an image.	☒	☐	
When creating an object detection model in the Custom Vision service, you can select from a set of predefined domains.	☒	☐	

Reference:
<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/get-started-build-detector>

NEW QUESTION: 88

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

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

NEW QUESTION: 89

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

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

Answer:

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

NEW QUESTION: 90

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)

Section: Describe fundamental principles of machine learning on Azure

Explanation:

You can consume a published pipeline in the Published pipelines page. Select a published pipeline and find the REST endpoint of it.

To consume the pipeline, you need:

- * The REST endpoint for your service
- * The Primary Key for your service

Reference:

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

NEW QUESTION: 91

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

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

NOTE: Each correct selection is worth one point.

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

Answer: (SHOW ANSWER)

Reference:

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

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/choose-natural-language-processing-service>

Valid AI-900 Dumps shared by BraindumpsPass.com for Helping Passing AI-900 Exam! BraindumpsPass.com now offer the **newest AI-900 exam dumps**, the BraindumpsPass.com AI-900 exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com AI-900 dumps with Test Engine here: <https://www.braindumpspass.com/Microsoft/AI-900-practice-exam-dumps.html> (336 Q&As Dumps, **40%OFF** Special Discount: **Exam-Tests**)

NEW QUESTION: 92

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

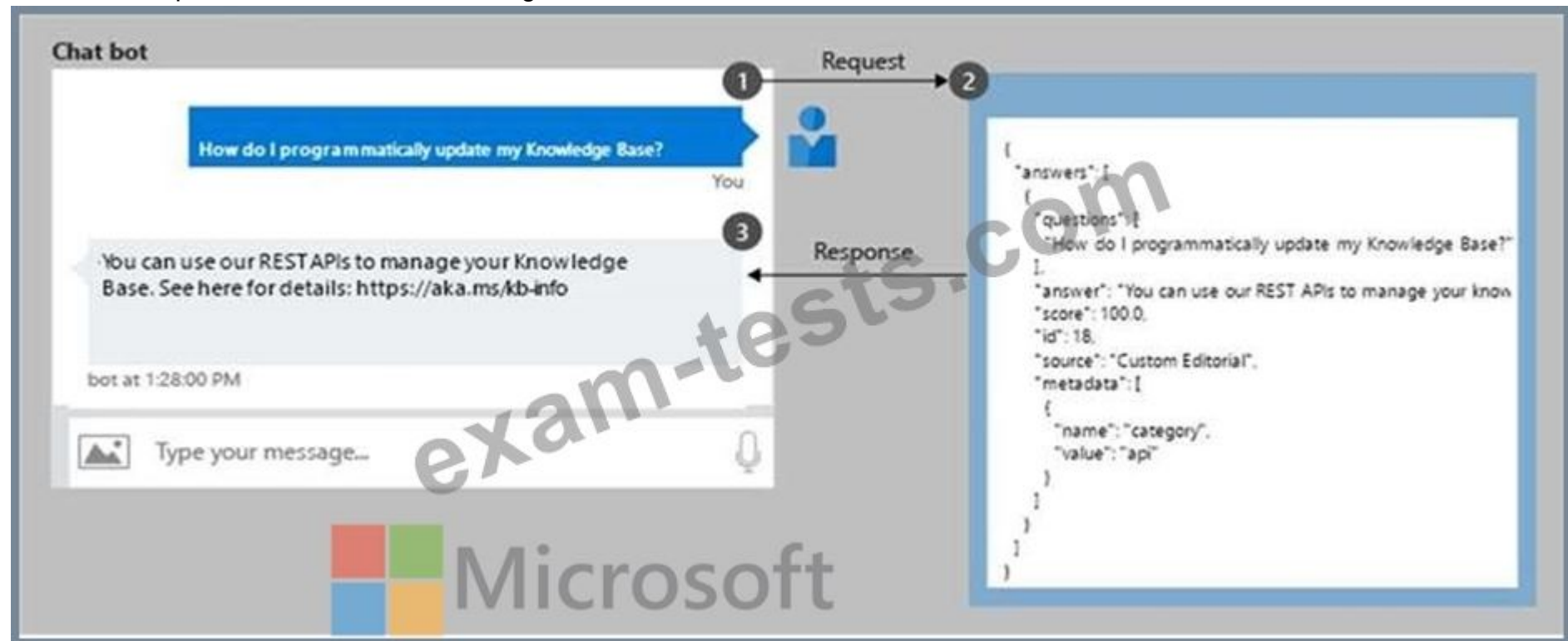
Which service should you use to process the documents?

- A. Azure Bot Service
- B. Language Understanding
- C. QnA Maker
- D. Text Analytics

Answer: C (LEAVE A REPLY)

NEW QUESTION: 93

You have the process shown in the following exhibit.



Which type AI solution is shown in the diagram?

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

Answer: B (LEAVE A REPLY)

Section: Describe features of conversational AI workloads on Azure

NEW QUESTION: 94

You need to create a training dataset and validation dataset from an existing dataset.

Which module in the Azure Machine Learning designer should you use?

- A. Select Columns in Dataset
- B. Add Rows
- C. Split Data
- D. Join Data

Answer: (SHOW ANSWER)

Explanation

A common way of evaluating a model is to divide the data into a training and test set by using Split Data, and then validate the model on the training data.

Use the Split Data module to divide a dataset into two distinct sets.

The studio currently supports training/validation data splits

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-configure-cross-validation-data-splits2>

NEW QUESTION: 95

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: 96

You are developing a natural language processing solution in Azure. The solution will analyze customer reviews and determine how positive or negative each review is.

This is an example of which type of natural language processing workload?

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

Answer: B (LEAVE A REPLY)

Section: Describe features of Natural Language Processing (NLP) workloads on Azure Explanation:

Sentiment Analysis is the process of determining whether a piece of writing is positive, negative or neutral.

Reference:

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

NEW QUESTION: 97

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
A restaurant can use a chatbot to empower customers to make reservations by using a website or an app.	☐	☐
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	☐	☐
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	☐	☐

Answer:

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

Reference:

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

NEW QUESTION: 98

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

Answer Area

You can use the

Computer Vision

Custom Vision

Form Recognizer

Video Indexer

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

Answer:

Answer Area

You can use the

Computer Vision

Custom Vision

Form Recognizer

Video Indexer

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

Reference:

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

NEW QUESTION: 99

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

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

Answer: A,C,E (LEAVE A REPLY)

Explanation

Automatic extraction

Extract question-answer pairs from semi-structured content, including FAQ pages, support websites, excel files, SharePoint documents, product manuals and policies.

Reference:

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

NEW QUESTION: 100

Match the facial recognition tasks to the appropriate questions.
To answer, drag the appropriate task from the column on the left to its question on the right. Each task may be used once, more than once, or not at all.
NOTE: Each correct selection is worth one point.

Tasks	Answer Area
grouping	Task Do two images of a face belong to the same person?
identification	Task Does this person look like other people?
similarity	Task Do all the faces belong together?
verification	Task Who is this person in this group of people?

Answer:

Statements Microsoft

	Yes	No
You can communicate with a bot by using email.	☐	☐
You can communicate with a bot by using Microsoft Teams.	☐	☐
You can communicate with a bot by using a webchat interface.	☐	☐

Explanation

Answer Area

verification	Do two images of a face belong to the same person?
similarity	Does this person look like other people?
grouping	Do all the faces belong together?
identification	Who is this person in this group of people?

Box 1: verification

Face verification: Check the likelihood that two faces belong to the same person and receive a confidence score.

Box 2: similarity

Box 3: Grouping

Box 4: identification

Face detection: Detect one or more human faces along with attributes such as: age, emotion, pose, smile, and facial hair, including 27 landmarks for each face in the image.

Reference:

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

NEW QUESTION: 101

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
When creating an object detection model in the Custom Vision service, you must choose a classification type of either Multi-label or Multiclass .	☐	☐
You can create an object detection model in the Custom Vision service to find the location of content within an image.	☐	☐
When creating an object detection model in the Custom Vision service, you can select from a set of predefined domains.	☐	☐

Answer:

Answer Area

Statements	Yes	No
When creating an object detection model in the Custom Vision service, you must choose a classification type of either Multi-label or Multiclass .	☐	☒
You can create an object detection model in the Custom Vision service to find the location of content within an image.	☒	☐
When creating an object detection model in the Custom Vision service, you can select from a set of predefined domains.	☒	☐

Reference:

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

NEW QUESTION: 102

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 Area

Household Income:

House Price Category:

Answer:

Answer Area Microsoft

Household Income:

House Price Category:

Reference:

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

NEW QUESTION: 103

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: B (LEAVE A REPLY)

Section: Describe features of conversational AI workloads on Azure

Explanation:

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 semi- structured 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: 104

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: 105

Your company is exploring the use of voice recognition technologies in its smart home devices. The company wants to identify any barriers that might unintentionally leave out specific user groups.

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

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

Answer: C (LEAVE A REPLY)

Reference:

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

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.

Answer Area



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

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.	☒	☐
Azure Machine Learning designer enables you to save your progress as a pipeline draft.	☒	☐
Azure Machine Learning designer enables you to include custom JavaScript functions.	☐	☒

Microsoft

Explanation



Answer Area

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

Box 1: Yes

Azure Machine Learning designer lets you visually connect datasets and modules on an interactive canvas to create machine learning models.

Box 2: Yes

With the designer you can connect the modules to create a pipeline draft.

As you edit a pipeline in the designer, your progress is saved as a pipeline draft.

Box 3: No

Reference:

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

Valid AI-900 Dumps shared by BraindumpsPass.com for Helping Passing AI-900 Exam! BraindumpsPass.com now offer the **newest AI-900 exam dumps**, the BraindumpsPass.com AI-900 exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com AI-900 dumps with Test Engine here: <https://www.braindumpsPass.com/Microsoft/AI-900-practice-exam-dumps.html> (336 Q&As Dumps, **40%OFF Special Discount: Exam-Tests**)

NEW QUESTION: 107

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 provides you with the ability to include custom Python scripts in a training pipeline	☐	☐
Automated machine learning implements machine learning solutions without the need for programming experience.	☐	☐
Automated machine learning provides you with the ability to visually connect datasets and modules on an interactive canvas.	☐	☐

Answer:

Answer Area

Statements	Yes	No
Automated machine learning provides you with the ability to include custom Python scripts in a training pipeline.	☒	☐
Automated machine learning implements machine learning solutions without the need for programming experience.	☒	☐
Automated machine learning provides you with the ability to visually connect datasets and modules on an interactive canvas.	☒	☐

Explanation

Answer Area

Statements	Yes	No
Automated machine learning provides you with the ability to include custom Python scripts in a training pipeline.	☒	☐
Automated machine learning implements machine learning solutions without the need for programming experience.	☒	☐
Automated machine learning provides you with the ability to visually connect datasets and modules on an interactive canvas.	☒	☐

Reference:

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

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

Valid AI-900 Dumps shared by BraindumpsPass.com for Helping Passing AI-900 Exam! BraindumpsPass.com now offer the **newest AI-900 exam dumps**, the BraindumpsPass.com AI-900 exam **questions have been updated** and **answers have been corrected** get the **newest** BraindumpsPass.com AI-900 dumps with Test Engine here: <https://www.braindumpsPass.com/Microsoft/AI-900-practice-exam-dumps.html> (336 Q&As Dumps, **40%OFF** Special Discount: **Exam-Tests**)