Number: AI-900 Passing Score: 800 Time Limit: 120 File Version: 12.0

Exam Code: AI-900
Exam Name: Microsoft Azure AI Fundamentals



### Exam A **QUESTION 1 HOTSPOT** For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point. **Hot Area: Answer Area** No Yes You can communicate with a bot by using email. 0 CEplus You can communicate with a bot by using Microsoft Teams. You can communicate with a bot by using a webchat interface. **Answer Area: Answer Area** No Yes Statements You can communicate with a bot by using email. You can communicate with a bot by using Microsoft Teams. 0 You can communicate with a bot by using a webchat interface. Section:

**Explanation:** 

Reference:

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

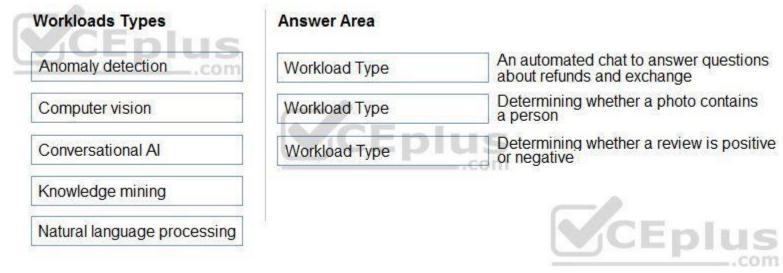
### **QUESTION 2**

### DRAG DROP

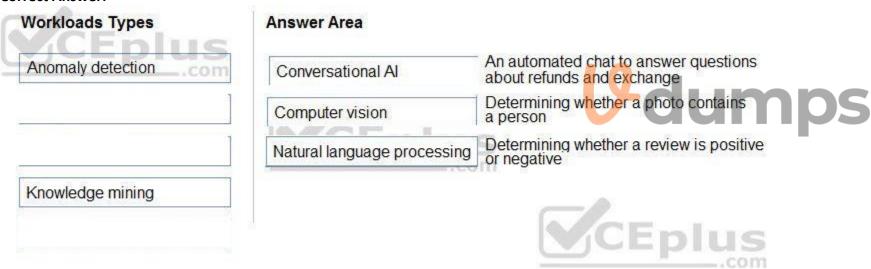
Match the types of AI workloads to the appropriate scenarios.

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.

### **Select and Place:**



### **Correct Answer:**



### Section:

### **Explanation:**

Box 3: Natural language processing

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

Reference:

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

### **QUESTION 3**

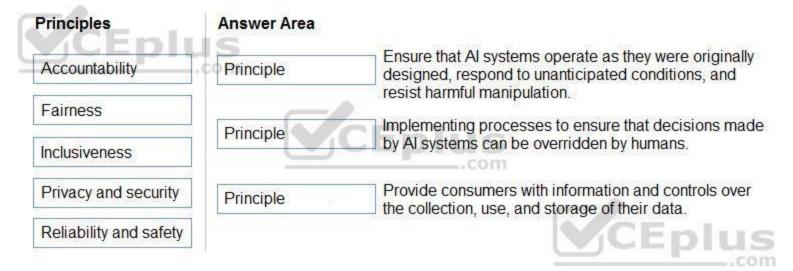
DRAG DROP

Match the Microsoft guiding principles for responsible AI to the appropriate descriptions.

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

NOTE: Each correct selection is worth one point.

### **Select and Place:**



### **Correct Answer:**

Principles	Answer Area
AGED	Reliability and safety  Ensure that Al systems operate as they were originally designed, respond to unanticipated conditions, and resist harmful manipulation.
Fairness	Accountability   Implementing processes to ensure that decisions made
Inclusiveness	by Al systems can be overridden by humans.
	Privacy and security  Provide consumers with information and controls over the collection, use, and storage of their data.

### Section:

### **Explanation:**

Box 1: Reliability and safety

To build trust, it's critical that AI systems operate reliably, safely, and consistently under normal circumstances and in unexpected conditions. These systems should be able to operate as they were originally designed, respond safely to unanticipated conditions, and resist harmful manipulation.

Box 2: Accountability

The people who design and deploy AI systems must be accountable for how their systems operate. Organizations should draw upon industry standards to develop accountability norms. These norms can ensure that AI systems are not the final authority on any decision that impacts people's lives and that humans maintain meaningful control over otherwise highly autonomous AI systems.

Box 3: 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 Reference:

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

### **QUESTION 4**

Which two scenarios are examples of a conversational AI workload? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

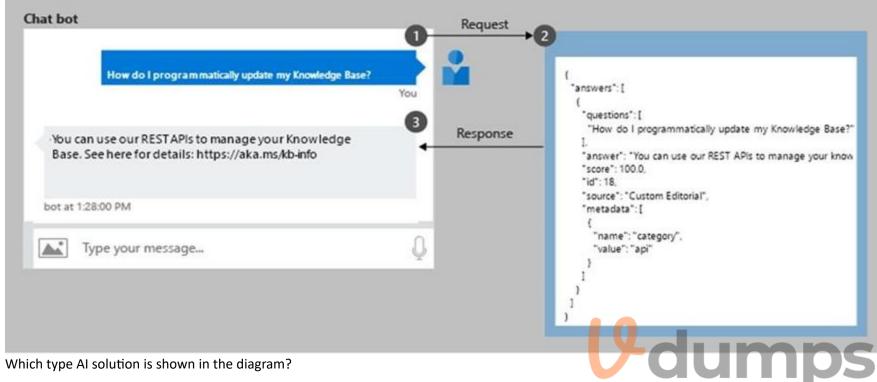
D. monitoring the temperature of machinery to turn on a fan when the temperature reaches a specific threshold

### **Correct Answer: A, B**

Section:

### **QUESTION 5**

You have the process shown in the following exhibit.



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

**Correct Answer: B** 

Section:

### **QUESTION 6**

**HOTSPOT** 

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

**Hot Area:** 

### **Answer Area**

According to Microsoft's



principle of responsible AI,

Al systems should NOT reflect biases from the data sets that are used to train the systems.

### **Answer Area:**

### **Answer Area**

According to Microsoft's



principle of responsible AI,

**U**dumps

Al systems should NOT reflect biases from the data sets that are used to train the systems.

Section:

**Explanation:** 

Reference:

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

**QUESTION 7** 

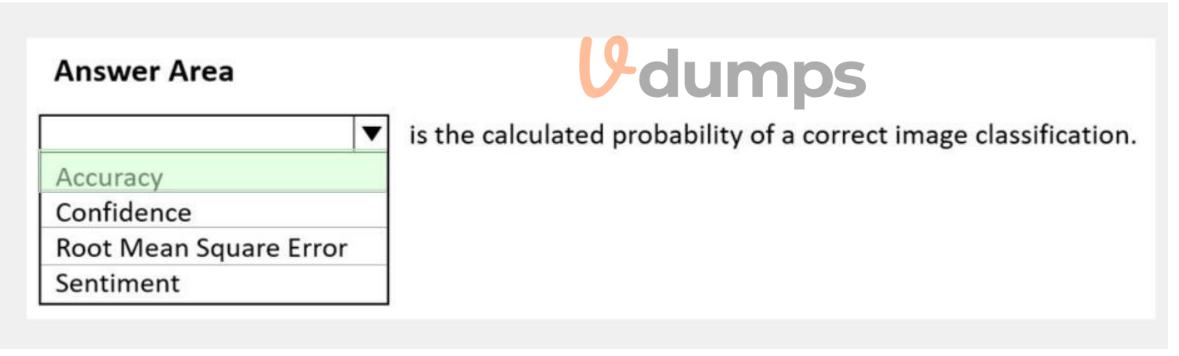
**HOTSPOT** 

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

### **Hot Area:**

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

### **Answer Area:**



### Section:

### **Explanation:**

Reference:

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

### **QUESTION 8**

You are processing photos of runners in a race.

You need to read the numbers on the runners' shirts to identity the runners in the photos.

Which type of computer vision should you use?

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

**Correct Answer: B** 

Section:

### **Explanation:**

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

Reference:

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

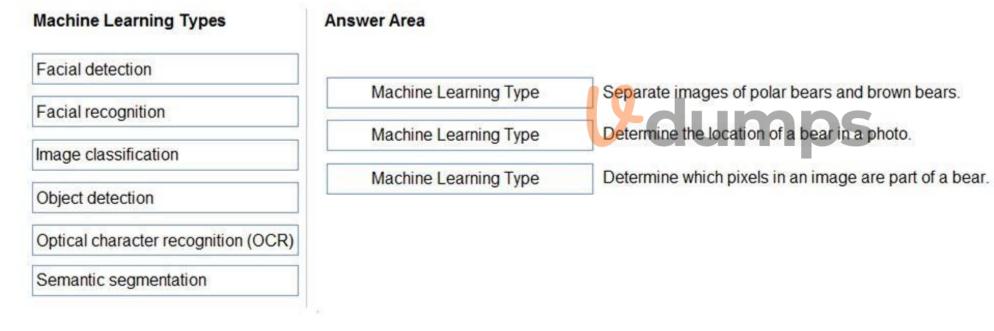
### **QUESTION 9**

DRAG DROP

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.

### **Select and Place:**



### **Correct Answer:**

Machine Learning Types	Answer Area	
Facial detection	Tr.	
Facial recognition	Image classification	Separate images of polar bears and brown bears.
1	Object detection	Determine the location of a bear in a photo.
	Semantic segmentation	Determine which pixels in an image are part of a bear.
Optical character recognition (OCR)		

### Section:

### **Explanation:**

Box 1: Image classification

Image classification is a supervised learning problem: define a set of target classes (objects to identify in images), and train a model to recognize them using labeled example photos.

Box 2: Object detection

Object detection is a computer vision problem. While closely related to image classification, object detection performs image classification at a more granular scale. Object detection both locates and categorizes entities within images.

Box 3: Semantic Segmentation

Semantic segmentation achieves fine-grained inference by making dense predictions inferring labels for every pixel, so that each pixel is labeled with the class of its enclosing object ore region.

Reference:

https://developers.google.com/machine-learning/practica/image-classification

https://docs.microsoft.com/en-us/dotnet/machine-learning/tutorials/object-detection-model-builder

https://nanonets.com/blog/how-to-do-semantic-segmentation-using-deep-learning/

### **QUESTION 10**

You use drones to identify where weeds grow between rows of crops to send an instruction for the removal of the weeds. This is an example of which type of computer vision?

- A. object detection
- B. optical character recognition (OCR)
- C. scene segmentation

### **Correct Answer: A**

Section:

### **Explanation:**

Object detection is similar to tagging, but the API returns the bounding box coordinates for each tag applied. 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.

Incorrect Answers:

B: Optical character recognition (OCR) allows you to extract printed or handwritten text from images and documents. C: Scene segmentation determines when a scene changes in video based on visual cues. A scene depicts a single event and it's composed by a series of consecutive shots, which are semantically related.

Reference:

https://docs.microsoft.com/en-us/ai-builder/object-detection-overview

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

https://docs.microsoft.com/en-us/azure/azure-video-analyzer/video-analyzer-for-media-docs/video-indexer-overview

### **QUESTION 11**

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

**Correct Answer: A, D** 

Section:

### **Explanation:**

Azure Text to Speech is a Speech service feature that converts text to lifelike speech.

**Incorrect Answers:** 

C: Extracting key phrases is not speech synthesis.

Reference:

https://azure.microsoft.com/en-in/services/cognitive-services/text-to-speech/

### **QUESTION 12**

HOTSPOT

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

always fail to recognize the employee.

You have a database that contains a list of employees and men.

You are tagging new photos of the employees.

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

### **Hot Area:**

**Answer Area** 

### **Statements** Yes No The Face service can be used to group all the employees who have similar facial characteristics. CEplus The Face service will be more accurate if you provide more 0 sample photos of each employee from different angles. If an employee is wearing sunglasses, the Face service will

**Answer Area:** 

### Answer Area Statements The Face service can be used to group all the employees who

have similar facial characteristics. CEPIUS

The Face service will be more accurate if you provide more sample photos of each employee from different angles.

If an employee is wearing sunglasses, the Face service will always fail to recognize the employee.



No

0

Yes

### Section:

### **Explanation:**

Reference:

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

### **QUESTION 13**

HOTSPOT

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



### Hot Area:

### 

**Answer Area:** 

## Answer Area Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is an inclusiveness a privacy and security a reliability and safety a transparency

Section:

### **Explanation:**

Reference:

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

### **QUESTION 14**

**HOTSPOT** 

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

### **Hot Area:**



**Answer Area:** 

**U**dumps



### Section:

### **Explanation:**

Reference:

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

### **QUESTION 16**

You need to build an image tagging solution for social media that tags images of your friends automatically. Which Azure Cognitive Services service should you use?

- A. Face
- B. Form Recognizer
- C. Text Analytics
- D. Computer Vision

### **Correct Answer: A**

Section:

### **Explanation:**

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/face/overview https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/howtodetectfacesinimage

### **QUESTION 17**

HOTSPOT

Select the answer that correctly completes the sentence.

### **Hot Area:**



### Section:

**Explanation:** 

### **QUESTION 18**

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

### **Correct Answer: B**

Section:

### **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 baseâ€"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/

### **QUESTION 19**

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

**Correct Answer: A** 

Section:

### **QUESTION 20**

Which scenario is an example of a webchat bot?

ative, and then add a thumbs up or thumbs down emoji to the reviews.

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

**Correct Answer: D** 

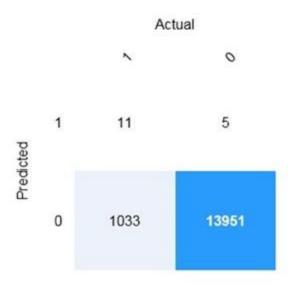
Section:

### **QUESTION 21**

**HOTSPOT** 

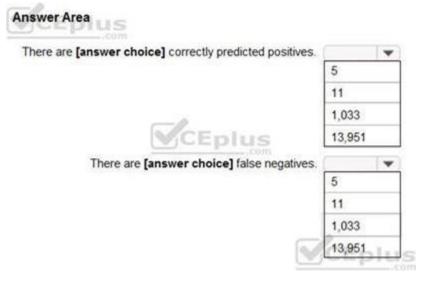
You are developing a model to predict events by using classification.

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



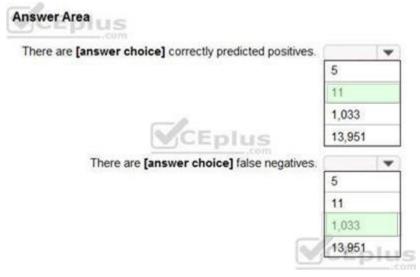
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.

### **Hot Area:**





### **Answer Area:**



### Section:

### **Explanation:**

Box 1: 11

	Predicted		
	Positive	Negative	
Actual True	TP	FN	
Actual False	FP	TN	

TP = True Positive.

The class labels in the training set can take on only two possible values, which we usually refer to as positive or negative. The positive and negative instances that a classifier predicts correctly are called true positives (TP) and true negatives (TN), respectively. Similarly, the incorrectly classified instances are called false positives (FP) and false negatives (FN).

Box 2: 1,033

FN = False Negative

Reference:

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

### **QUESTION 22**

**HOTSPOT** 

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

NOTE: Each correct selection is worth one point.

### **Hot Area:**

### Answer Area

Statements	Yes	No
Forecasting housing prices based on historical data is an example of anomaly detection.	0	0
Identifying suspicious sign-ins by looking for deviations from usual patterns is an example of anomaly detection.	0	0
Predicting whether a patient will develop diabetes based on the patient's medical history is an example of anomaly detection.	0	OLUS
		27.5% 35%



### **Answer Area:**

### **Answer Area**

CEPIUS Statements	Yes	No
Forecasting housing prices based on historical data is an example of anomaly detection.	0	0
Identifying suspicious sign-ins by looking for deviations from usual patterns is an example of anomaly detection.	0	0
Predicting whether a patient will develop diabetes based on the patient's medical history is an example of anomaly detection.	0	0
	1	

### Section:

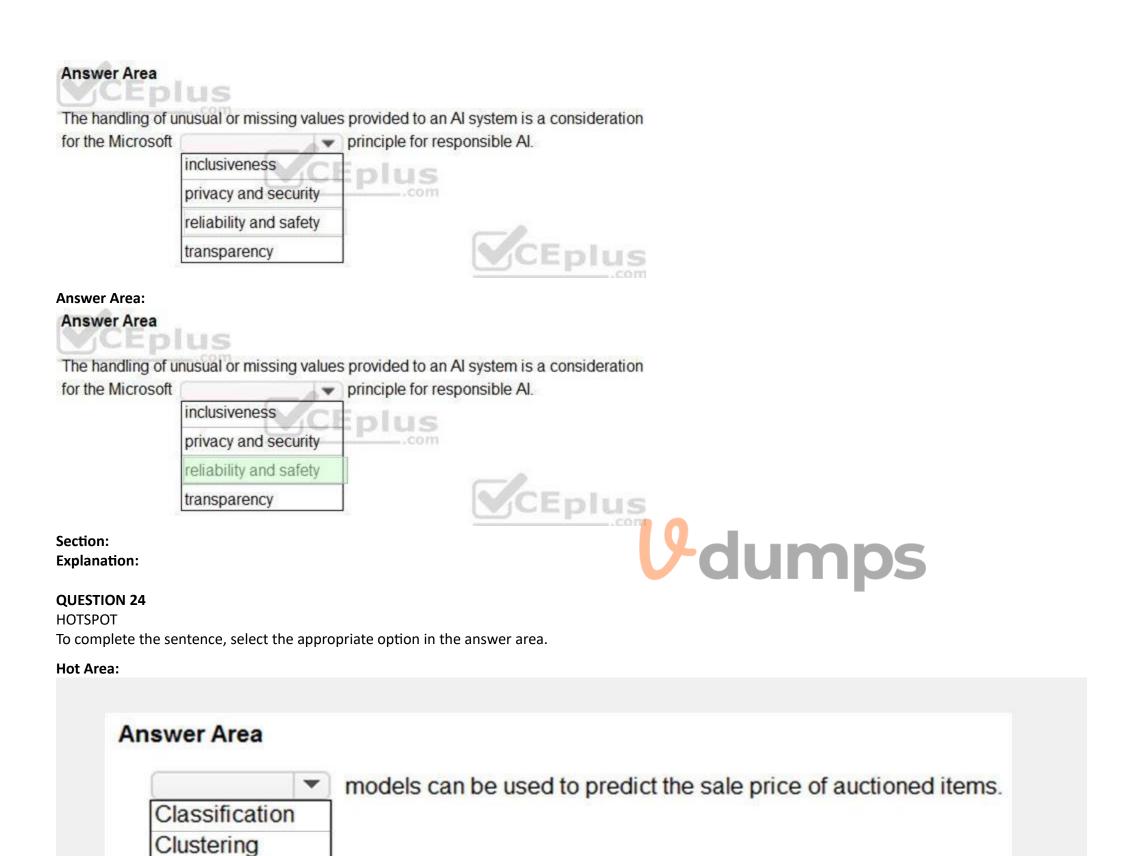
**Explanation:** 

### **QUESTION 23**

**HOTSPOT** 

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

**Hot Area:** 



**Answer Area:** 

Regression

### **Answer Area** models can be used to predict the sale price of auctioned items. Classification Clustering Regression

### Section:

### **Explanation:**

Regression is a machine learning task that is used to predict the value of the label from a set of related features.

Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks

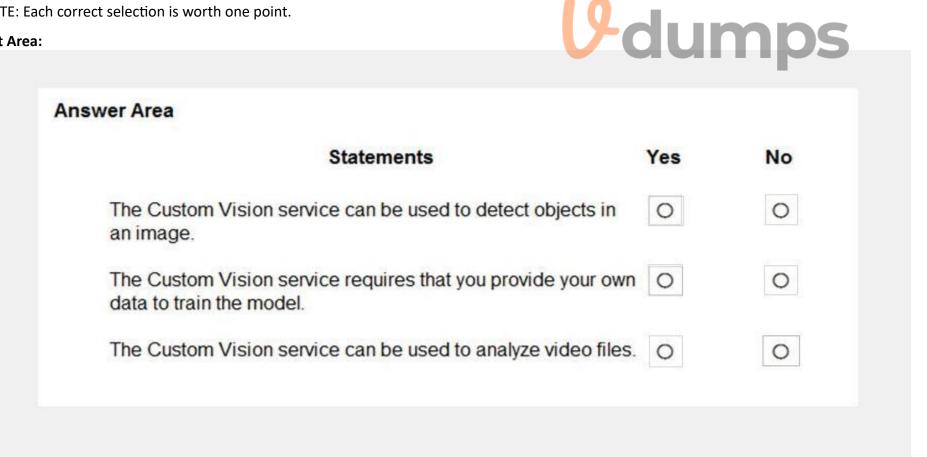
### **QUESTION 25**

**HOTSPOT** 

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

NOTE: Each correct selection is worth one point.

### Hot Area:



**Answer Area:** 

Statements	Yes No
he Custom Vision service can be used to detect ob in image.	jects in O
The Custom Vision service requires that you provide lata to train the model.	your own O
he Custom Vision service can be used to analyze v	ideo files. O

### Section:

### **Explanation:**

Box 1: Yes

Custom Vision functionality can be divided into two features. Image classification applies one or more labels to an image. Object detection is similar, but it also returns the coordinates in the image where the applied label(s) can be found.

Box 2: Yes

The Custom Vision service uses a machine learning algorithm to analyze images. You, the developer, submit groups of images that feature and lack the characteristics in question. You label the images yourself at the time of submission. Then, the algorithm trains to this data and calculates its own accuracy by testing itself on those same images.

Box 3: No

Custom Vision service can be used only on graphic files.

Reference:

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

### **QUESTION 26**

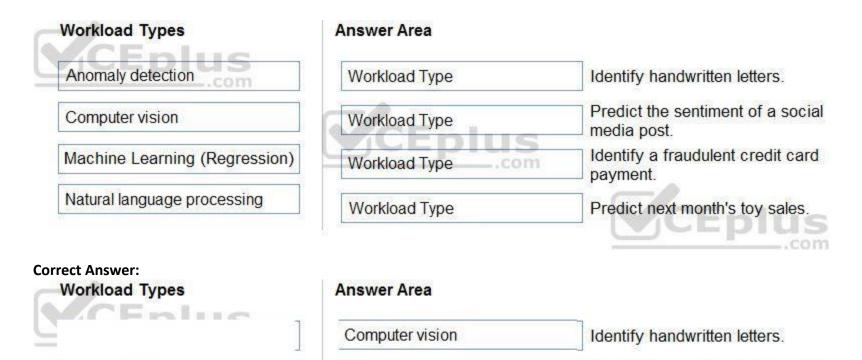
DRAG DROP

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.

### **Select and Place:**



Natural language processing

Anomaly detection

Section:

### **Explanation:**

Reference:

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

### **QUESTION 27**

DRAG DROP

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.

media post.

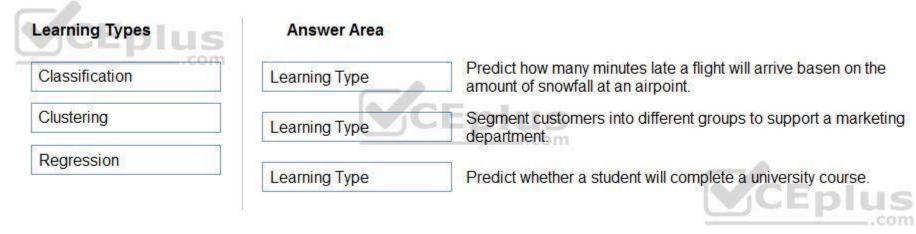
payment.

Machine Learning (Regression) | Predict next month's toy sales.

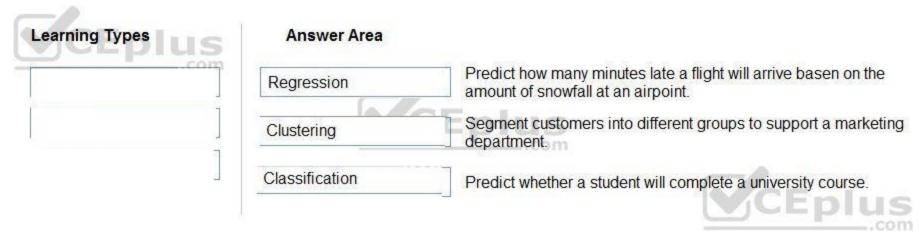
Predict the sentiment of a social

Identify a fraudulent credit card

### **Select and Place:**



### **Correct Answer:**



### Section:

### **Explanation:**

Box 1: Regression

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.

Box 2: Classification

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

Box 3: Clustering

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/linear-regression

### **QUESTION 28**

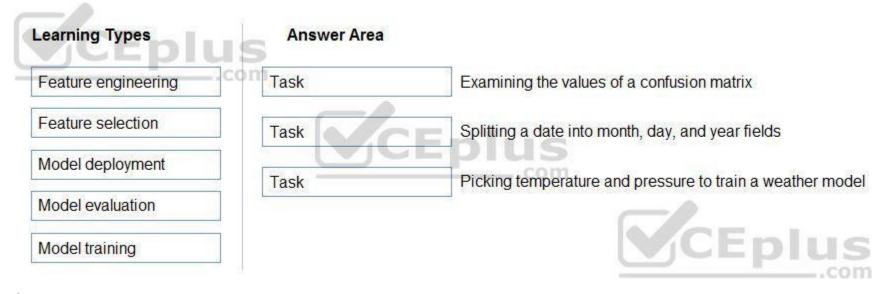
DRAG DROP

Match the machine learning tasks to the appropriate scenarios.

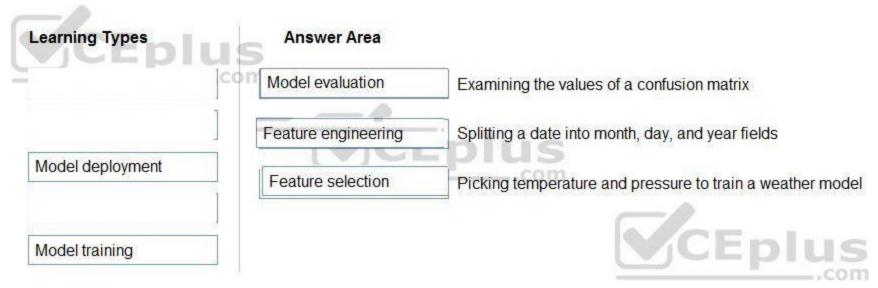
To answer, drag the appropriate task from the column on the left to its scenario on the right. Each task may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

### **Select and Place:**



### **Correct Answer:**



### Section:

### **Explanation:**

Box 1: Model evaluation

The Model evaluation module outputs a confusion matrix showing the number of true positives, false negatives, false positives, and true negatives, as well as ROC, Precision/Recall, and Lift curves.

Box 2: Feature engineering

Feature engineering is the process of using domain knowledge of the data to create features that help ML algorithms learn better. In Azure Machine Learning, scaling and normalization techniques are applied to facilitate feature engineering. Collectively, these techniques and feature engineering are referred to as featurization.

Note: Often, features are created from raw data through a process of feature engineering. For example, a time stamp in itself might not be useful for modeling until the information is transformed into units of days, months, or categories that are relevant to the problem, such as holiday versus working day.

Box 3: Feature selection

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

### **QUESTION 29**

HOTSPOT

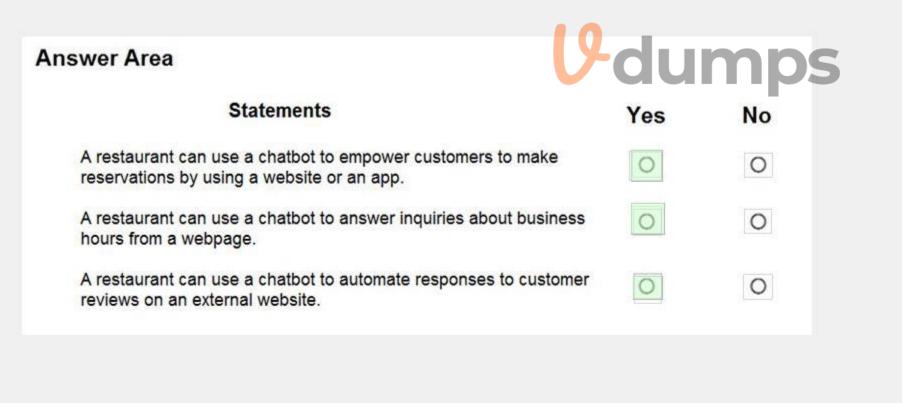
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

### **Hot Area:**

nswer Area		
Statements	Yes	No
A restaurant can use a chatbot to empower customers to make reservations by using a website or an app.	0	0
A restaurant can use a chatbot to answer inquiries about business hours from a webpage.	0	0
A restaurant can use a chatbot to automate responses to customer reviews on an external website.	0	0

### **Answer Area:**



### Section:

### **Explanation:**

Reference:

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

### **QUESTION 30**

You have a webchat bot that provides responses from a QnA Maker knowledge base.

You need to ensure that the bot uses user feedback to improve the relevance of the responses over time. What should you use? A. key phrase extraction B. sentiment analysis C. business logic D. active learning **Correct Answer: D** Section: **Explanation:** Reference: https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/improve-knowledge-base **QUESTION 31** 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 **9**dumps **Correct Answer: B** Section: **Explanation:** Reference: https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot-service-4.0 **QUESTION 32** 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

### **Correct Answer: C**

Section:

**Explanation:** 

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

### **QUESTION 33**

What are three Microsoft guiding principles for responsible AI? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. knowledgeability

- B. decisiveness
- C. inclusiveness
- D. fairness
- E. opinionatedness
- F. reliability and safety

Correct Answer: C, D, F

Section: Explanation:

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

### **QUESTION 34**

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

**Correct Answer: B** 

Section:

**Explanation:** 

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

### **QUESTION 35**

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)

### **Correct Answer: A**

Section:

### **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

### **QUESTION 36**

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

Correct Answer: A, D

Section:

**Explanation:** 

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

Reference

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

### **QUESTION 37**

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

**Correct Answer: C** 

Section:

**Explanation:** 

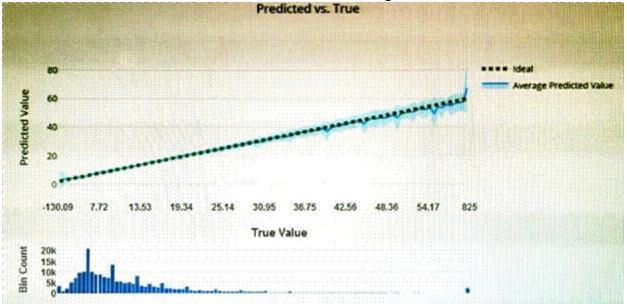
A common way of evaluating a model is to divide the data into a training and test set by using Split Data, and then validate the model on the training data. Use the Split Data module to divide a dataset into two distinct sets. The studio currently supports training/validation data splits

Reference:

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

### **QUESTION 38**

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

### **Correct Answer: B**

Section:

### **Explanation:**

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

### **QUESTION 39**

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

**Correct Answer: B** 

Section:

### **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

### **QUESTION 40**

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

### **Correct Answer: B**

Section:

### **Explanation:**

The label is the column you want to predict. The identified Featuresare 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

### **QUESTION 41**

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

### **Correct Answer: C**

Section:

### **QUESTION 42**

Which service should you use to extract text, key/value pairs, and table data automatically from scanned documents?

- A. Form Recognizer
- B. Text Analytics
- C. Language Understanding
- D. Custom Vision

### **Correct Answer: A**

Section:

### **Explanation:**

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

Reference:

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

### **QUESTION 43**

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

Which two parameters should you use to access the web service? 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

### **Correct Answer: C, D**

Section:

### **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

### **QUESTION 44**

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

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

**Correct Answer: C** 

Section:

**Explanation:** 

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

### **QUESTION 45**

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

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

**Correct Answer: C** 

Section:

### **QUESTION 46**

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.

Correct Answer: A, C

Section:

### **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

### **QUESTION 47**

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

### Correct Answer: A, C

Section:

### **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.

### **QUESTION 48**

You need to develop a mobile app for employees to scan and store their expenses while travelling. Which type of computer vision should you use?

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

### **Correct Answer: D**

Section:

### **Explanation:**

Azure's Computer Vision API includes Optical Character Recognition (OCR) capabilities that extract printed or handwritten text from images. You can extract text from images, such as photos of license plates or containers with serial numbers, as well as from documents - invoices, bills, financial reports, articles, and more.

Reference

https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-recognizing-text

### **QUESTION 49**

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

### **Correct Answer: B**

Section:

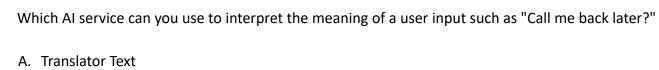
### **Explanation:**

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

### **QUESTION 50**



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

### **Correct Answer: D**

Section:

### **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:

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

### **QUESTION 51**

You are developing a Chatbot solution in Azure.

Which service should you use to determine a user's intent?

- A. Translator Text
- B. Azure Cognitive Search
- C. Speech
- D. Language Understanding (LUIS)

### **Correct Answer: B**

Section:

**Explanation:** 



### **QUESTION 52**

You need to make the press releases of your company available in a range of languages. Which service should you use?

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

### **Correct Answer: A**

Section:

### **Explanation:**

Translator is a cloud-based machine translation service you can use to translate text in near real-time through a simple REST API call. The service uses modern neural machine translation technology and offers statistical machine translation technology. Custom Translator is an extension of Translator, which allows you to build neural translation systems.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/translator/

### **QUESTION 53**

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

### **Correct Answer: B**

Section:

### **Explanation:**

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

Reference:

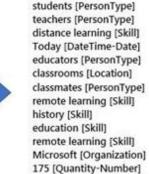
https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing

### **QUESTION 54**

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.



183,000 [Quantity-Number]

now [DateTime]



Which type of natural languages processing was performed?

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

### **Correct Answer: A**

Section:

### **Explanation:**

Named Entity Recognition (NER) is the ability to identify different entities in text and categorize them into pre-defined classes or types such as: person, location, event, product, and organization. In this question, the square brackets indicate the entities such as DateTime, PersonType, Skill.

### Reference:

https://docs.microsoft.com/en-in/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-entity-linking?tabs=version-3-preview

### **QUESTION 55**

You are developing a solution that uses the Text Analytics service.

You need to identify the main talking points in a collection of documents.

Which type of natural language processing should you use?

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

### **Correct Answer: B**

Section:

### **Explanation:**

Broad entity extraction: Identify important concepts in text, including key

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

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

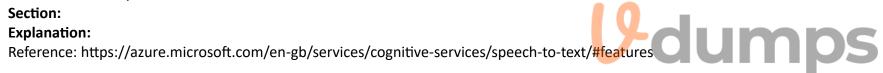
### **QUESTION 56**

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

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

### **Correct Answer: B, D**

Section:



### **QUESTION 57**

HOTSPOT

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

### **Hot 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 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.

### Section:

### **Explanation:**

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

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

### **QUESTION 58**

HOTSPOT

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

NOTE: Each correct selection is worth one point.



### Section:

### **Explanation:**

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

### **QUESTION 59**

**HOTSPOT** 

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

NOTE: Each correct selection is worth one point.

### **Hot Area:**

### Answer Area Statements Yes No Monitoring online service reviews for profanities is an example of natural language processing. Identifying brand logos in an image is an example of natural languages processing. Monitoring public news sites for negative mentions of a product is an example of natural language processing.

### **Answer Area:**

### **Answer Area**

- Statements	Yes	No
Monitoring online service reviews for profanities is an example of natural language processing.	0	0
Identifying brand logos in an image is an example of natural languages processing.	0	0
Monitoring public news sites for negative mentions of a product is an example of natural language processing.	O E	plus

### Section:

### **Explanation:**

Box 1: Yes

Content Moderator is part of Microsoft Cognitive Services allowing businesses to use machine assisted moderation of text, images, and videos that augment human review.

The text moderation capability now includes a new machine-learning based text classification feature which uses a trained model to identify possible abusive, derogatory or discriminatory language such as slang, abbreviated words, offensive, and intentionally misspelled words for review.

Box 2: No

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.

Box 3: Yes

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://azure.microsoft.com/es-es/blog/machine-assisted-text-classification-on-content-moderator-public-preview/https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing

### **QUESTION 60**

HOTSPOT

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

## Hot Area: 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.



## Answer Area: 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.

Section:

### **Explanation:**

Reference:

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

### **QUESTION 61**

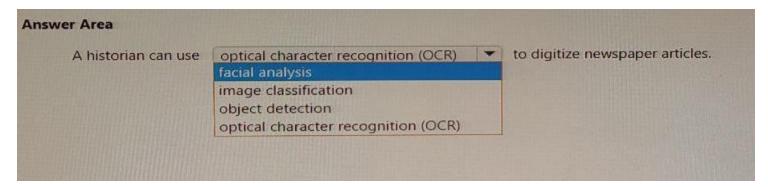
HOTSPOT

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

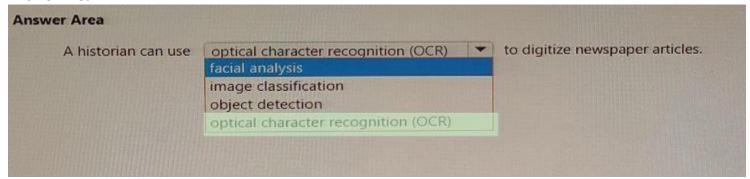
NOTE: Each correct selection is worth one point.

### **Answer Area** Yes No Statements You can use the Speech service to transcribe a call to text. 0 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 Area: Answer Area** Statements Yes dumps 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 0 call transcript. You can use the Speech service to translate the audio of a call to a different language. Section: **Explanation:** Reference: https://docs.microsoft.com/en-gb/azure/cognitive-services/text-analytics/overview https://azure.microsoft.com/en-gb/services/cognitive-services/speech-services/ **QUESTION 62 HOTSPOT**

Select the answer that correctly completes the sentence.



### **Answer Area:**



Section: Explanation:

### **QUESTION 63**

HOTSPOT

Select the answer that correctly completes the sentence.



### Hot Area:



Section:

**Explanation:** 

**QUESTION 64** 

You have a bot that identifies the brand names of products in images of supermarket shelves. Which service does the bot use?

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

**Correct Answer: B** 

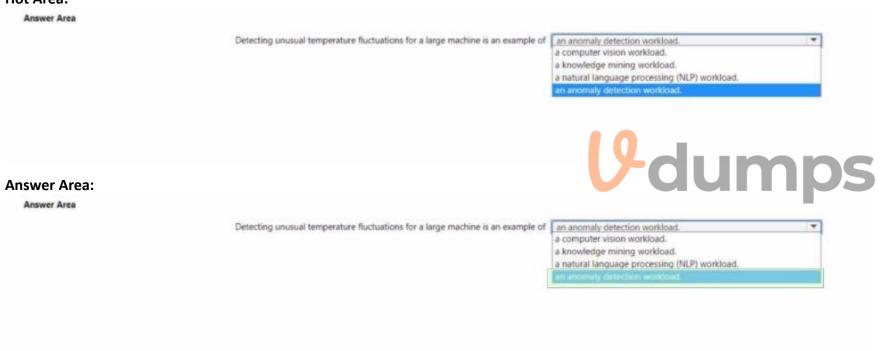
Section:

### **QUESTION 65**

**HOTSPOT** 

Select the answer that correctly completes the sentence.

### Hot Area:



Section:

**Explanation:** 

### **QUESTION 66**

HOTSPOT

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

NOTE: Each correct selection is worth one point.

swer Area			
.com Sta	atements	Yes	No
re Bot Service and Azure Congni	tive Services can be integrated.	0	0
re Bot Service engages with cust	tomers in a conversational manner.	0	0
re Bot Service can import frequer answer sets.	ntly asked questions (FAQ) to question	O	
		JUE	

### **Answer Area:**

## Statements Yes No Azure Bot Service and Azure Congnitive 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.

### **Section:**

### **Explanation:**

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

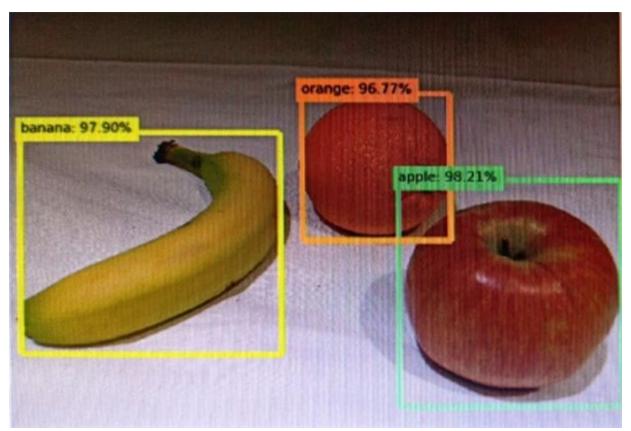
The QnA Maker service creates knowledge base, not question and answers sets.

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

### **QUESTION 67**

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

### **Correct Answer: A**

Section:

### **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

### **QUESTION 68**

What are two tasks that can be performed by using the Computer Vision service? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Train a custom image classification model.
- B. Detect faces in an image.
- C. Recognize handwritten text.
- D. Translate the text in an image between languages.

Correct Answer: B, C

Section:



### **Explanation:**

B: Azure's Computer Vision service provides developers with 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.

C: Computer Vision includes Optical Character Recognition (OCR) capabilities. You can use the new Read API to extract printed and handwritten text from images and documents.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/home

### **QUESTION 69**

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

**Correct Answer: D** 

Section:

### **QUESTION 70**

What are two tasks that can be performed by using computer vision? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

### Correct Answer: B, C

Section:

### **Explanation:**

B: Identify commercial brands in images or videos from a database of thousands of global logos. You can use this feature, for example, to discover which brands are most popular on social media or most prevalent in media product placement.

C: Analyze color usage within an image. Computer Vision can determine whether an image is black & white or color and, for color images, identify the dominant and accent colors.

Reference:

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

### **QUESTION 71**

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

### **Correct Answer: C**

Section:

### **Explanation:**

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

### **QUESTION 72**

In which two scenarios can you use the Form Recognizer service? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

Correct Answer: A, D

Section:

**Explanation:** 

Reference:

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

### **QUESTION 73**

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



Section:

### **Explanation:**

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:

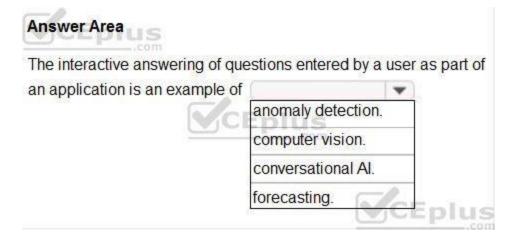
https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing

### **QUESTION 74**

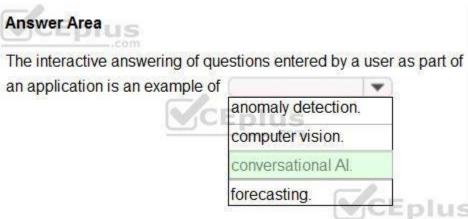
HOTSPOT

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





### **Answer Area:**



### Section:

### **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

### **QUESTION 75**

**HOTSPOT** 

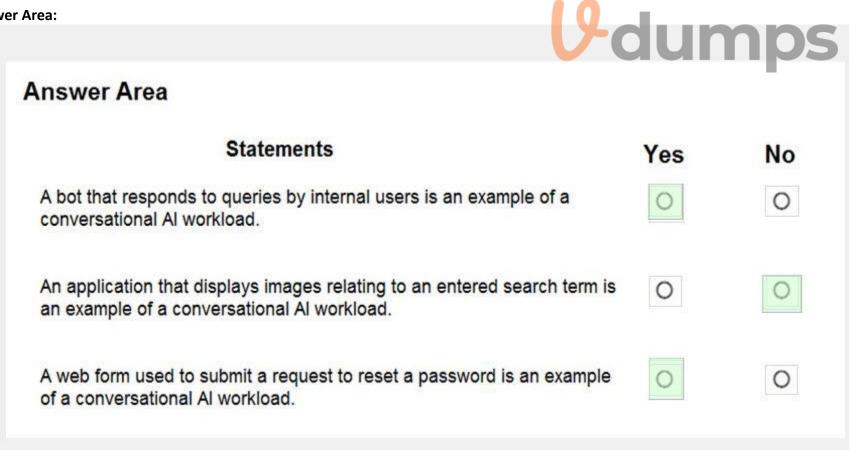
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

### **Answer Area** No Yes Statements 0 0 You can use QnA Maker to query an Azure SQL database. You should use QnA Maker when you want a knowledge base to provide O the same answer to different users who submit similar questions. The QnA Maker service can determine the intent of a user utterance. **Answer Area: Answer Area** No **Statements** Yes You can use QnA Maker to query an Azure SQL database. You should use QnA Maker when you want a knowledge base to provide O the same answer to different users who submit similar questions. The QnA Maker service can determine the intent of a user utterance. Section: **Explanation:** 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 **QUESTION 76 HOTSPOT** For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

### **Answer Area Statements** Yes No A bot that responds to queries by internal users is an example of a 0 0 conversational Al workload. An application that displays images relating to an entered search term is 0 an example of a conversational Al workload. 0 0 A web form used to submit a request to reset a password is an example of a conversational Al workload.

**Answer Area:** 



Section: **Explanation:** 

### Reference:

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

### **QUESTION 77**

When you design an AI system to assess whether loans should be approved, the factors used to make the decision should be explainable. This is an example of which Microsoft guiding principle for responsible AI?

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

### **Correct Answer: A**

Section:

### **Explanation:**

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it to be reproduced in a transparent way.

### **Incorrect Answers:**

B: Inclusiveness mandates that AI should consider all human races and experiences, and inclusive design practices can help developers to understand and address potential barriers that could unintentionally exclude people. Where possible, speech-to-text, text-to-speech, and visual recognition technology should be used to empower people with hearing, visual, and other impairments. C: Fairness is a core ethical principle that all humans aim to understand and apply. This principle is even more important when AI systems are being developed. Key checks and balances need to make sure that the system's decisions don't discriminate or run a gender, race, sexual orientation, or religion bias toward a group or individual. D: A data holder is obligated to protect the data in an AI system, and privacy and security are an integral part of this system. Personal needs to be secured, and it should be accessed in a way that doesn't compromise an individual's privacy.

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

### **QUESTION 78**

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Statements	103	140
Providing an explanation of the outcome of a credit loan application is	0	0
an example of the Microsoft transparency principle for responsible Al.		
A triage bot that prioritizes insurance claims based on injuries is an example	0	0
of the Microsoft reliability and safety principle for responsible Al.		
An Al solution that is offered at different prices for different sales territories is	0	0
an example of the Microsoft inclusiveness principle for responsible Al.		

### **Answer Area:**

Answer Area	Statements	<b>U</b> -di	Yes	O SNo
	ation of the outcome of a cred licrosoft transparency principl	dit loan application is	0	0
	pritizes insurance claims base ability and safety principle for i		ole O	0
	offered at different prices for licrosoft inclusiveness princip		is O	0

### Section:

### **Explanation:**

Box 1: Yes

Achieving transparency helps the team to understand the data and algorithms used to train the model, what transformation logic was applied to the data, the final model generated, and its associated assets. This information offers insights about how the model was created, which allows it to be reproduced in a transparent way.

Box 2: No

A data holder is obligated to protect the data in an AI system, and privacy and security are an integral part of this system. Personal needs to be secured, and it should be accessed in a way that doesn't compromise an individual's privacy.

Box 3: No

Inclusiveness mandates that AI should consider all human races and experiences, and inclusive design practices can help developers to understand and address potential barriers that could unintentionally exclude people.

Where possible, speech-to-text, text-to-speech, and visual recognition technology should be used to empower people with hearing, visual, and other impairments. Reference:

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

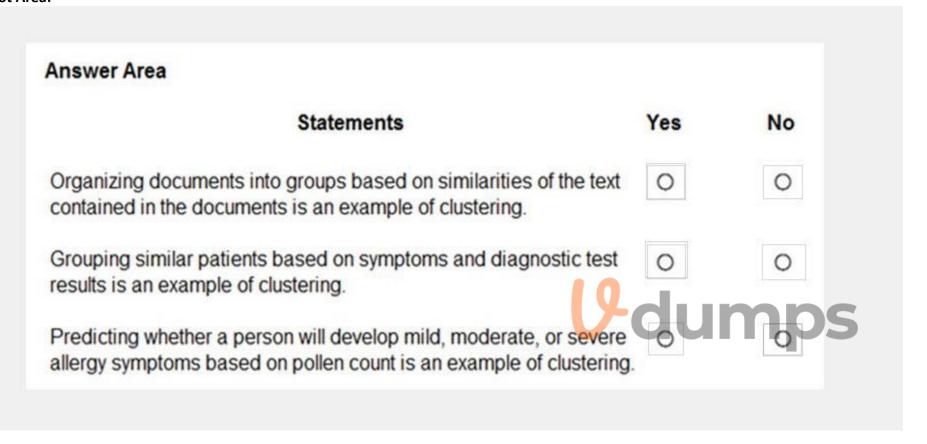
### **QUESTION 79**

**HOTSPOT** 

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

NOTE: Each correct selection is worth one point.

### Hot Area:



**Answer Area:** 

Inswer Area		
Statements	Yes	No
Organizing documents into groups based on similarities of the text contained in the documents is an example of clustering.	0	0
Grouping similar patients based on symptoms and diagnostic test esults is an example of clustering.	0	0
Predicting whether a person will develop mild, moderate, or severe allergy symptoms based on pollen count is an example of clustering.	0	0

### Section:

### **Explanation:**

Clustering is a machine learning task that is used to group instances of data into clusters that contain similar characteristics. Clustering can also be used to identify relationships in a dataset Regression is a machine learning task that is used to predict the value of the label from a set of related features.

Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks

### **QUESTION 80**

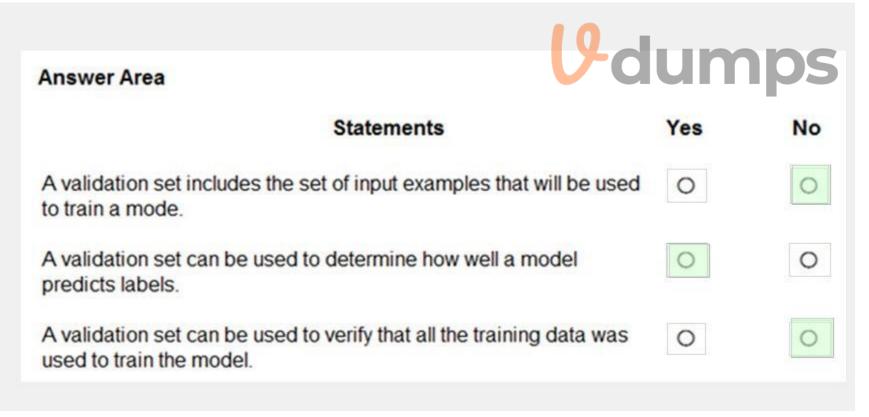
HOTSPOT

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

NOTE: Each correct selection is worth one point.

Answer Area		
Statements	Yes	No
A validation set includes the set of input examples that will be used to train a mode.	0	0
A validation set can be used to determine how well a model predicts labels.	0	0
A validation set can be used to verify that all the training data was used to train the model.	0	0

### **Answer Area:**



### Section:

### **Explanation:**

Box 1: No

The validation dataset is different from the test dataset that is held back from the training of the model.

Box 2: Yes

A validation dataset is a sample of data that is used to give an estimate of model skill while tuning model's hyperparameters.

Box 3: No

The Test Dataset, not the validation set, used for this. The Test Dataset is a sample of data used to provide an unbiased evaluation of a final model fit on the training dataset.

Reference:

https://machinelearningmastery.com/difference-test-validation-datasets/

### **QUESTION 81**

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

**Correct Answer: A, C** 

Section:

### **Explanation:**

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.

**U**dumps

**Incorrect Answers:** 

B: F1 score also known as balanced F-score or F-measure is used to evaluate a classification model. D: aucROC or area under the curve (AUC) is used to evaluate a classification model.

Reference:

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

### **QUESTION 82**

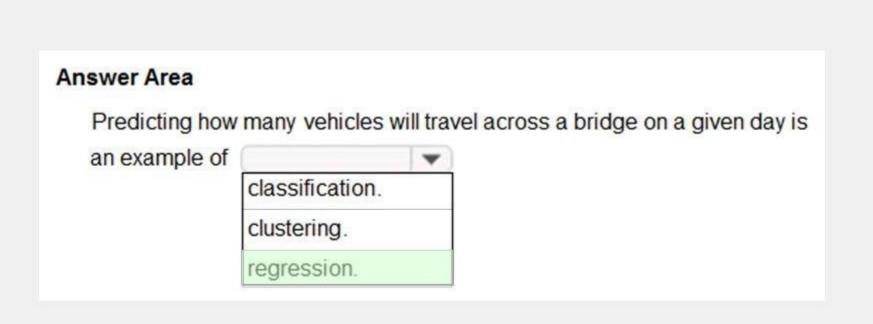
HOTSPOT

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

### Hot Area:

## Answer Area Predicting how many vehicles will travel across a bridge on a given day is an example of classification. clustering. regression.

### **Answer Area:**



### Section:

### **Explanation:**

Regression is a machine learning task that is used to predict the value of the label from a set of related features.

Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks

### **QUESTION 83**

DRAG DROP

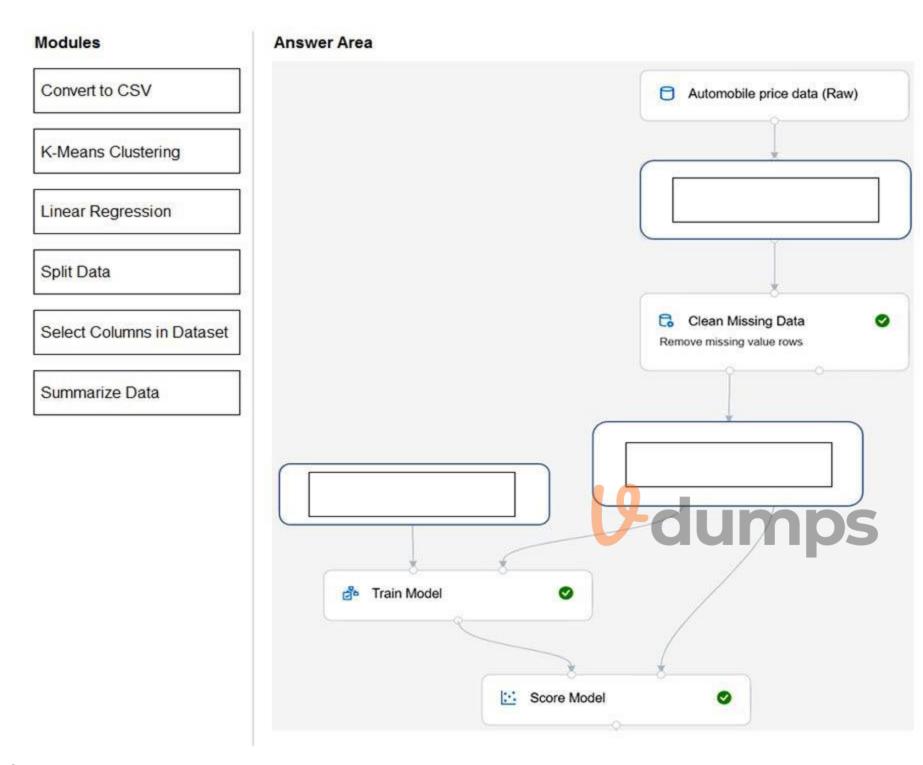
You need to use Azure Machine Learning designer to build a model that will predict automobile prices.

Which type of modules should you use to complete the model? To answer, drag the appropriate modules to the correct locations. Each module may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

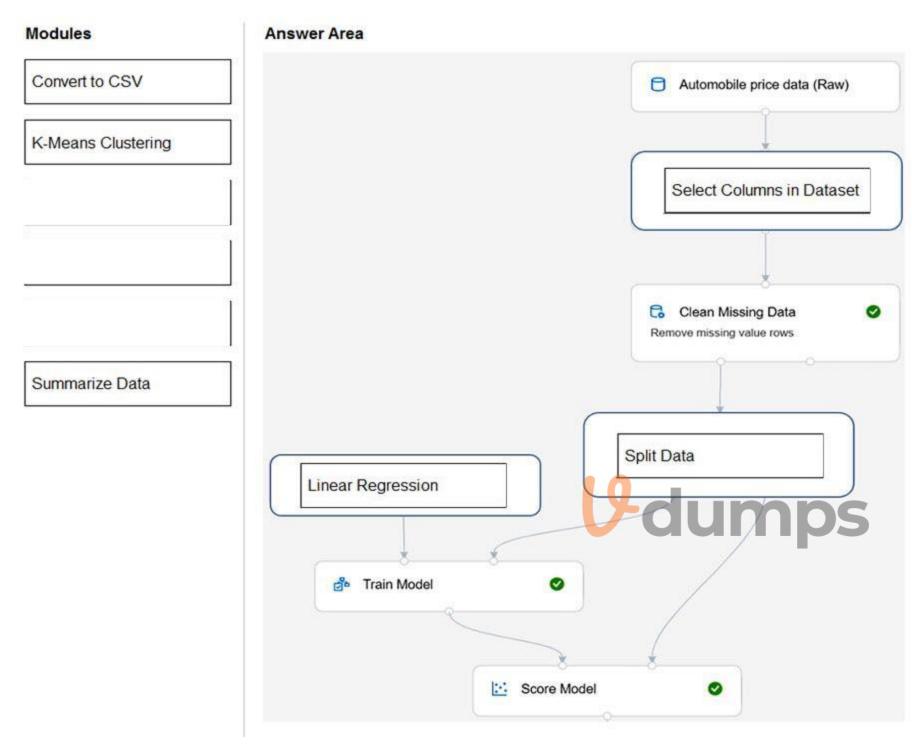
**U**dumps

NOTE: Each correct selection is worth one point.

### **Select and Place:**



**Correct Answer:** 

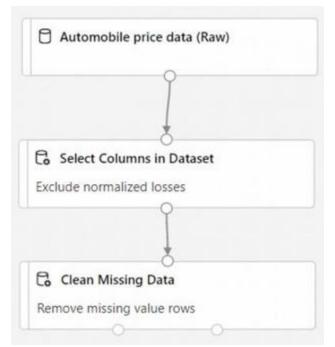


### Section:

### **Explanation:**

Box 1: Select Columns in Dataset

For Columns to be cleaned, choose the columns that contain the missing values you want to change. You can choose multiple columns, but you must use the same replacement method in all selected columns. Example:



Box 2: Split data

Splitting data is a common task in machine learning. You will split your data into two separate datasets. One dataset will train the model and the other will test how well the model performed.

Box 3: Linear regression

Because you want to predict price, which is a number, you can use a regression algorithm. For this example, you use a linear regression model.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/tutorial-designer-automobile-price-train-score

### **QUESTION 84**

Which type of machine learning should you use to identify groups of people who have similar purchasing habits?



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

### **Correct Answer: C**

Section:

### **Explanation:**

Clustering is a machine learning task that is used to group instances of data into clusters that contain similar characteristics. Clustering can also be used to identify relationships in a dataset Reference:

https://docs.microsoft.com/en-us/dotnet/machine-learning/resources/tasks

### **QUESTION 85**

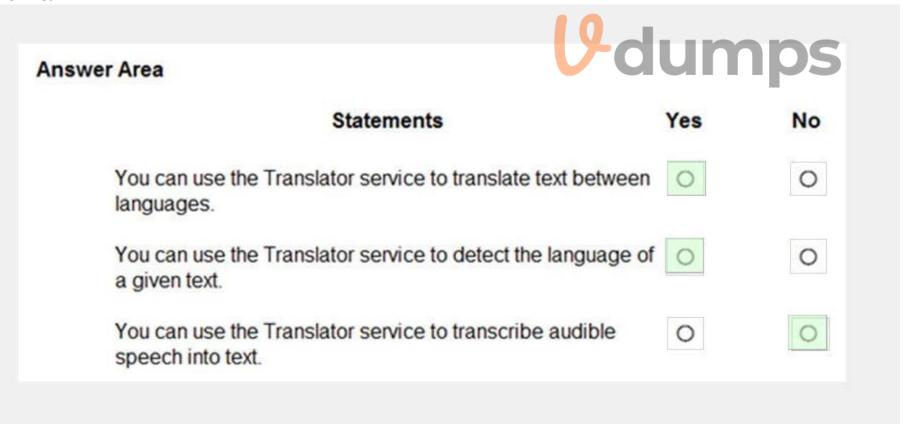
**HOTSPOT** 

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

NOTE: Each correct selection is worth one point.

nswer Area		
Statements	Yes	No
You can use the Translator service to translate text between languages.	0	0
You can use the Translator service to detect the language of a given text.	0	0
You can use the Translator service to transcribe audible speech into text.	0	0

### **Answer Area:**



### Section:

### **Explanation:**

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

https://docs.microsoft.com/en-us/azure/cognitive-services/Translator/translator-info-overview https://docs.microsoft.com/en-us/legal/cognitive-services/speech-service/speech-to-text/transparency-note

### **QUESTION 86**

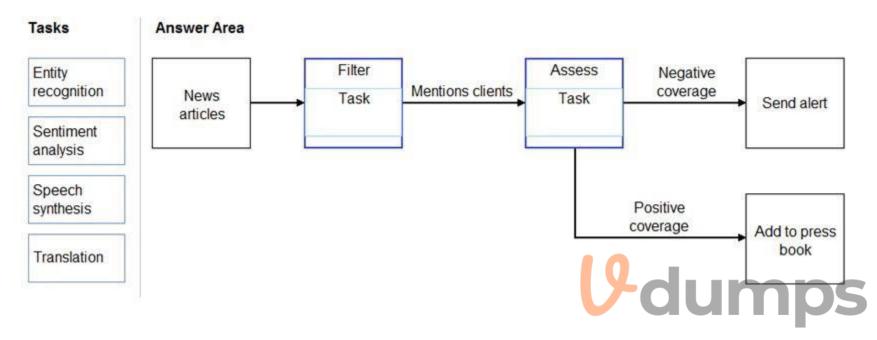
DRAG DROP

You need to scan the news for articles about your customers and alert employees when there is a negative article. Positive articles must be added to a press book.

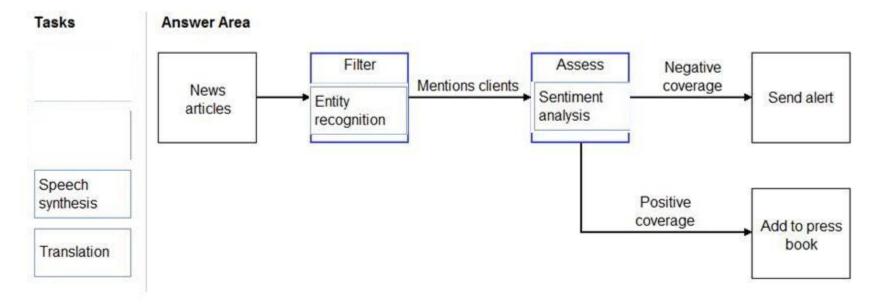
Which natural language processing tasks should you use to complete the process? To answer, drag the appropriate tasks to the correct locations. Each task may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### **Select and Place:**



### **Correct Answer:**



### Section:

### **Explanation:**

Box 1: Entity recognition

the Named Entity Recognition module in Machine Learning Studio (classic), to identify the names of things, such as people, companies, or locations in a column of text.

Named entity recognition is an important area of research in machine learning and natural language processing (NLP), because it can be used to answer many real-world questions, such as:

Which companies were mentioned in a news article?

Does a tweet contain the name of a person? Does the tweet also provide his current location?

Were specified products mentioned in complaints or reviews?

Box 2: Sentiment Analysis

The Text Analytics API's Sentiment Analysis feature provides two ways for detecting positive and negative sentiment. If you send a Sentiment Analysis request, the API will return sentiment labels (such as "negative", "neutral" and "positive") and confidence scores at the sentence and document-level.

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/named-entity-recognition https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-sentiment-analysis

### **QUESTION 87**

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

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

**Correct Answer: D** 

### Section:

### **Explanation:**

D: Content types of documents you can add to a knowledge base:

Content types include many standard structured documents such as PDF, DOC, and TXT.

Note: The tool supports the following file formats for ingestion:

.tsv: QnA contained in the format Question(tab)Answer.

.txt, .docx, .pdf: QnA contained as regular FAQ content--that is, a sequence of questions and answers.

**Incorrect Answers:** 

A: PPTX is the default presentation file format for new PowerPoint presentations.

B: It is not possible to ingest xml file directly.

Reference:

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

### **QUESTION 88**

In which scenario should you use key phrase extraction?

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

### **Correct Answer: C**

Section:

### **QUESTION 89**

You have insurance claim reports that are stored as text.

You need to extract key terms from the reports to generate summaries.

Which type of AI workload should you use?



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

### **Correct Answer: A**

Section:

### **Explanation:**

Reference:

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

### **QUESTION 90**

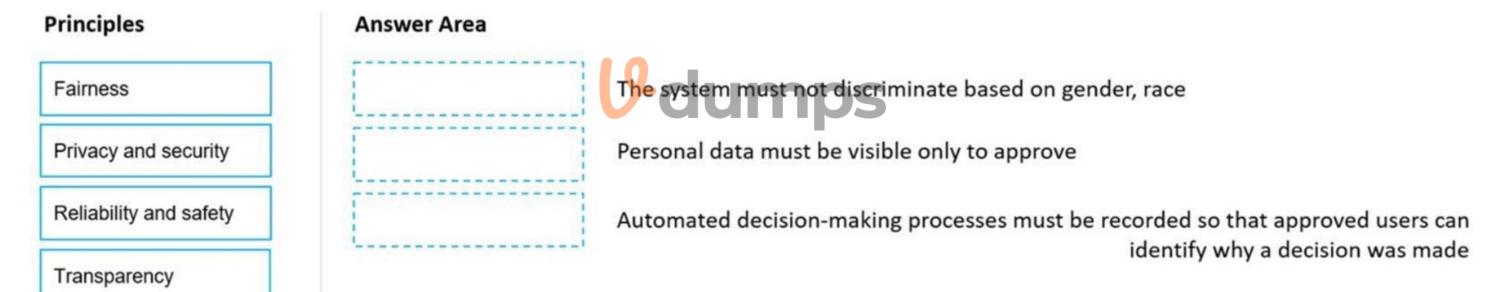
DRAG DROP

Match the principles of responsible AI to appropriate requirements.

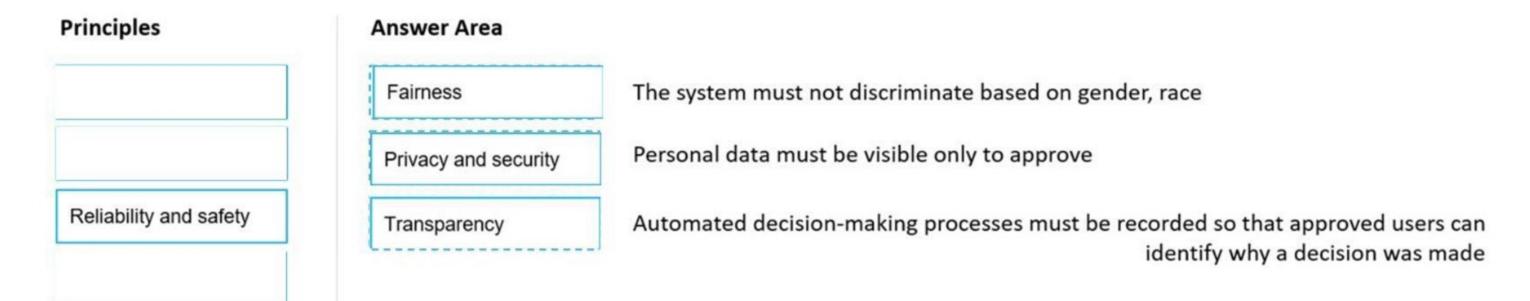
To answer, drag the appropriate principles from the column on the left to its requirement on the right. Each principle may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### **Select and Place:**



### **Correct Answer:**



### Section:

### **Explanation:**

Reference:

https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

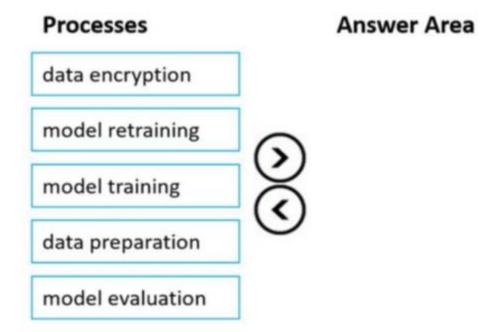
### **QUESTION 91**

DRAG DROP

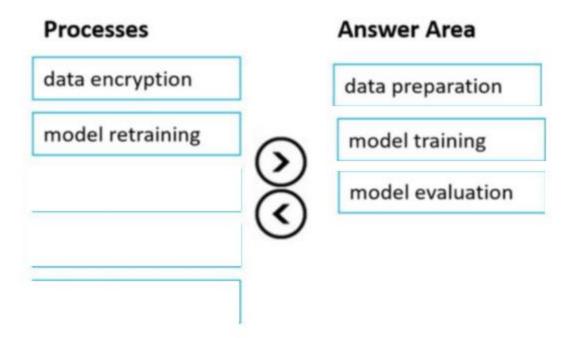
You plan to deploy an Azure Machine Learning model as a service that will be used by client applications.

Which three processes should you perform in sequence before you deploy the model? To answer, move the appropriate processes from the list of processes to the answer area and arrange them in the correct order.

### **Select and Place:**



### **Correct Answer:**



Section:

### **Explanation:**

Reference:

https://docs.microsoft.com/en-us/azure/machine-learning/concept-ml-pipelines

### **QUESTION 92**

You are building an Al-based app.
You need to ensure that the app uses the principles for responsible Al.
Which two principles should you follow? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

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

Correct Answer: B, C

Section:

### **Explanation:**

Reference:

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

### **QUESTION 93**

You need to create a customer support solution to help customers access information. The solution must support email, phone, and live chat channels. Which type of Al solution should you use?

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

### Correct Answer: D Section:

### **QUESTION 94**

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

- Accept customer orders.
- Retrieve support documents.
- Retrieve order status updates.

Which type of NLP should you use?

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

**Correct Answer: D** 

Section:

### **QUESTION 95**

DRAG DROP

Match the Azure Cognitive Services service to the appropriate actions.

To answer, drag the appropriate service from the column on the left to its action on the right. Each service may he used once, more than once, or not at all. NOTE: Each correct match is worth one point.

### **Select and Place:**



### **Correct Answer:**

Azure Cognitive Services	Answer Area		
See ba	CALL COL VCA	Translator	Convert spoken requests into text.
	10 TUDE TO DE TU	Speech	Identify the intent of a user's requests.
War In In	Eur com CE	Language service	Apply intent to entities and utterances.

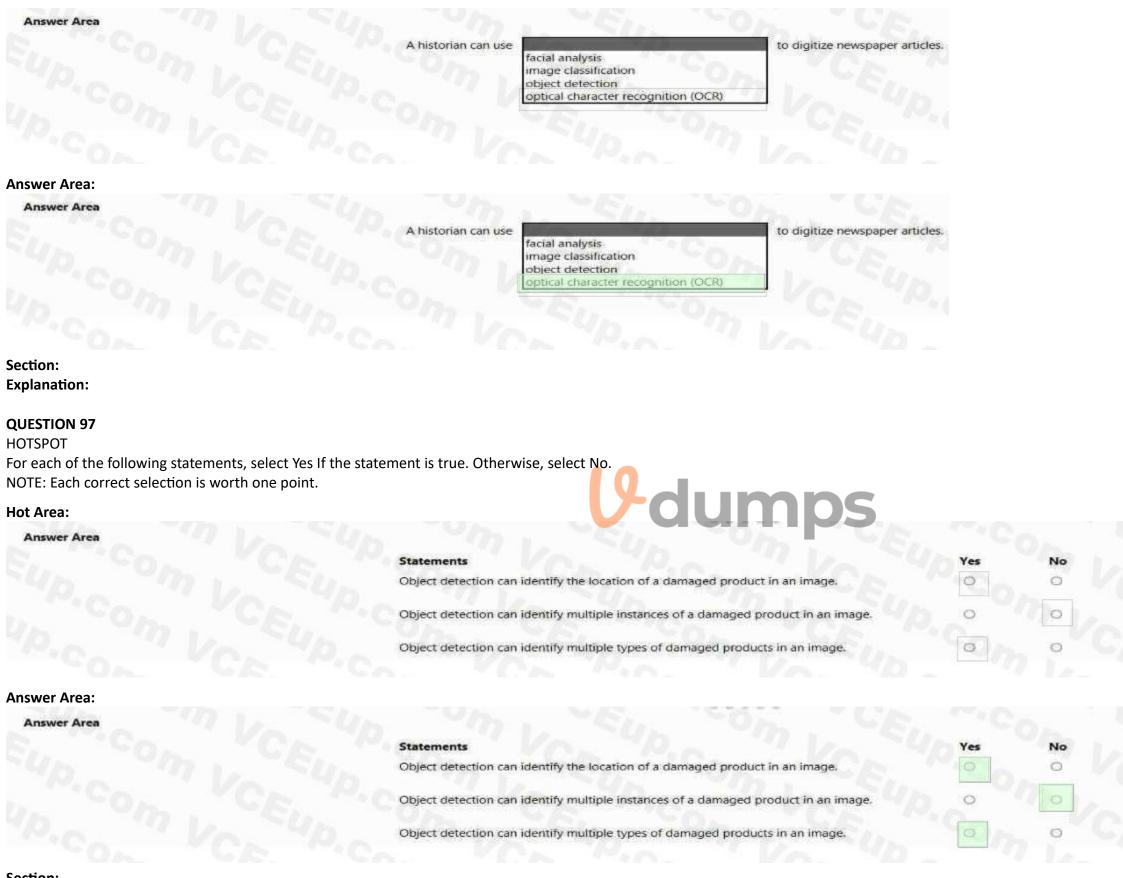
### Section:

**Explanation:** 

### **QUESTION 96**

HOTSPOT

Select the answer that correctly completes the sentence.



Section:

**Explanation:** 

### **QUESTION 98**

HOTSPOT

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

# Hot 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. Object detection.

### **QUESTION 99**

You have an Al solution that provides users with the ability to control smart devices by using verbal commands.

Which two types of natural language processing (NLP) workloads does the solution use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. text-to-speech
- B. translation
- C. language modeling
- D. key phrase extraction
- E. speech-to-text

**Correct Answer: C, D** 

Section:

### **QUESTION 100**

DRAG DROP

Match the Azure Cognitive Services to the appropriate Al workloads.

To answer, drag the appropriate service from the column on the left to its workload on the right. Each service may be used once, more than once, or not at all. NOTE: Each correct match is worth one point.

**Select and Place:** 

Services	Answer Area		
Custom Vision	Cr P.c.	Identify objects in	an image.
Face	Le Cup. Com	Automatically impa a database.	oort data from an invoice to
Form Recognizer	12 SUD COM L	Identify people in	an image.
orrect Answer:	C C C C C C C C C C C C C C C C C C C		
Services	Answer Area		
1		Identify objects in	an leasan

Services	Answer Area		
	TCA P.CO.	Custom Vision	Identify objects in an image.
	1 kg you	Form Recognizer	Automatically import data from an invoice to a database.
-	TILL CUA COM	Face	Identify people in an image.
	J'Ck "ca."	VCA MICH	Va 4b

Section:

**Explanation:** 

### **QUESTION 101**

An app that analyzes social media posts to identify their tone is an example of which type of natural language processing (NLP) workload?

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

**Correct Answer: A** 

Section:

### **QUESTION 102**

You have an Al-based loan approval system.

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

Which responsible Al principle does this violate?

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

**Correct Answer: C** 

Section:

### **QUESTION 103**

You have a custom question answering solution.

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

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

**Correct Answer: B** 

Section:

### **QUESTION 104**

**HOTSPOT** 

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

### **Hot Area:**

Answer Area			
	Statements	Yes	No
	You can use Language Service's question answering to query an Azure SQL database.	0	0
	You should use Language Service's question answering when you want a knowledge base to provide the same answer to different users who submit similar questions.	0	0
	Language Service's question answering can determine the intent of a user utterance.	0	0
Answer Area: Answer Area	<b>U</b> dumps		
	Statements	Yes	No
	You can use Language Service's question answering to query an Azure SQL database.	0	0
	You should use Language Service's question answering when you want a knowledge base to provide the same answer to different users who submit similar questions.	0	0
	Language Service's question answering can determine the intent of a user utterance.	0	0

### Section:

**Explanation:** 

### **QUESTION 105**

Which machine learning technique can be used for anomaly detection?

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

**Correct Answer: C** 

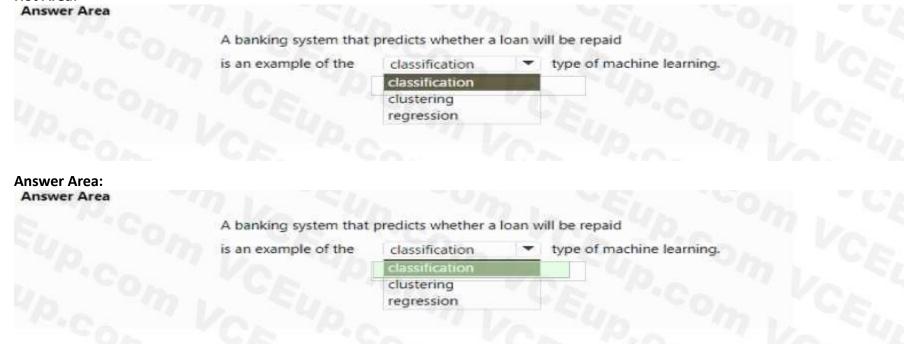
Section:

**QUESTION 106** 

### **HOTSPOT**

Select the answer that correctly completes the sentence.

### **Hot Area:**



Section:

**Explanation:** 

### **QUESTION 107**

**HOTSPOT** 

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

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

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

NOTE: Each correct selection is worth one point.

### Hot Area:



**Answer Area:** 

**U**-dumps



Section:

**Explanation:** 

### **QUESTION 108**

Which two tools can you use to call the Azure OpenAI service? Each correct answer presents a complete solution.

NOTE: Each correct answer is worth one point.

- A. Azure Command-Line Interface (CLI)
- B. Azure REST API
- C. Azure SDK for Python
- D. Azure SDK for JavaScript

**Correct Answer: A, B** 

Section:

**QUESTION 109** 

You need to build an app that will read recipe instructions aloud to support users who have reduced vision. Which version service should you use?

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

**Correct Answer: C** 

Section: Explanation:

Reference:

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

### **QUESTION 110**

Which two scenarios are examples of a conversational AI workload? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

Correct Answer: B, C

Section:

### **Explanation:**

B: A bot is an automated software program designed to perform a particular task. Think of it as a robot without a body. C: Automated customer interaction is essential to a business of any size. In fact, 61% of consumers prefer to communicate via speech, and most of them prefer self-service. Because customer satisfaction is a priority for all businesses, selfservice is a critical facet of any customer-facing communications strategy.

Incorrect Answers:

D: Early bots were comparatively simple, handling repetitive and voluminous tasks with relatively straightforward algorithmic logic. An example would be web crawlers used by search engines to automatically explore and catalog web content.

Reference: https://docs.microsoft.com/en-us/azure/architecture/data-guide/big-data/ai-overview https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/interactive-voice-response-bot

### **QUESTION 111**

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.

### Correct Answer: A, C, E

Section:

### **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/

### **QUESTION 112**

You have a frequently asked questions (FAQ) PDF file.

You need to create a conversational support system based on the FAQ.

Which service should you use?

- A. QnA Maker
- B. Text Analytics
- C. Computer Vision
- D. Language Understanding (LUIS)

### **Correct Answer: A**

Section:

### **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.

Reference:

https://azure.microsoft.com/en-us/services/cognitive-services/gna-maker/

### **QUESTION 113**

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

**Correct Answer: B, C** 

Section:

### **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.

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

### **QUESTION 114**

HOTSPOT

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

NOTE: Each correct selection is worth one point.

### **Hot Area:**

A	Answer Area		
	Statements	Yes	No
	You can use Azure Al Language Service's question answering to query an Azure SQL database.	0	0
	You should use Azure Al Language Service's question answering when you want a knowledge base to provide the same answer to different users who submit similar questions	s.	dumps
	Azure Al Language Service's question answering can determine the intent of a user	0	0

### **Answer Area:**

### Statements Yes No You can use Azure Al Language Service's question answering to query an Azure SQL database. You should use Azure Al Language Service's question answering when you want a knowledge base to provide the same answer to different users who submit similar questions. Azure Al Language Service's question answering can determine the intent of a user utterance.

### Section:

### **Explanation:**

### **QUESTION 115**

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

The solution must be trained on images provided by your company.

Which Azure Al service should you use?

- A. Azure Al Custom Vision
- B. Azure Al Computer Vision

- C. Face
- D. Azure Al Document Intelligence

**Correct Answer: A** 

Section:

### **QUESTION 116**

DRAG DROP

Match the types of computer vision 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 match is worth one point.

### Select and Place:

Workload Types	Answer Area		
Image classification			Generate captions for images.
Object detection			Extract movie title names from movie poster images.
Optical character recognition (OCR)	:		Locate vehicles in images.
Correct Answer:		· e	
Workload Types	Answer Area		
		Image classification	Generate captions for images.
		Optical character recognition (OCR)	Extract movie title names from movie poster images.
		Object detection	Locate vehicles in images.
		1	1

Section:

**Explanation:**