

## Exam Questions AI-900

Microsoft Azure AI Fundamentals (beta)

<https://www.2passeasy.com/dumps/AI-900/>



**NEW QUESTION 1**

HOTSPOT - (Topic 5)

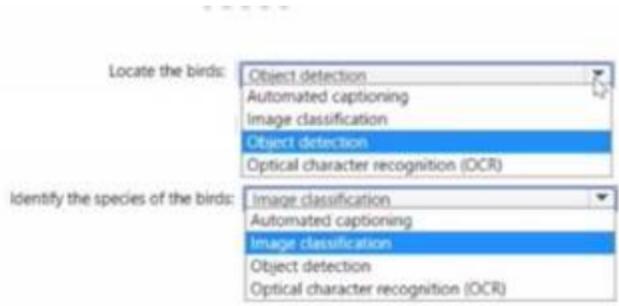
You have an app that identifies birds in images. The app performs the following tasks:

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

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

NOTE: Each correct selection is worth one point.

Answer Area

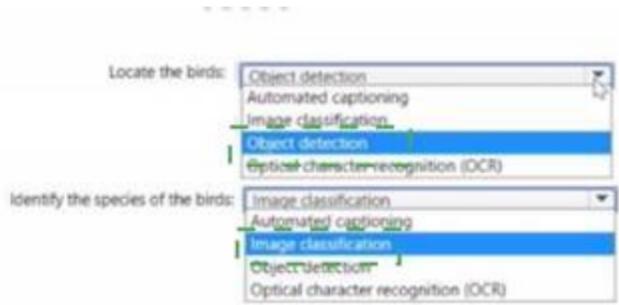


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



**NEW QUESTION 2**

- (Topic 5)

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

Answer: C

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.

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>

**NEW QUESTION 3**

- (Topic 5)

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)

Answer: A

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/qna-maker/>

**NEW QUESTION 4**

HOTSPOT - (Topic 5)

Select the answer that correctly completes the sentence.

**Answer Area**

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

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

**NEW QUESTION 5**

- (Topic 5)

You have a website that includes customer reviews.

You need to store the reviews in English and present the reviews to users in their respective language by recognizing each user's geographical location.

Which type of natural language processing workload should you use?

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

**Answer:** C

**NEW QUESTION 6**

HOTSPOT - (Topic 5)

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 7**

- (Topic 5)

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

of AI solution should you use?

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

**Answer:** D

#### NEW QUESTION 8

HOTSPOT - (Topic 5)

Select the answer that correctly completes the sentence.

**Answer Area**

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

classification.  
clustering.  
regression.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

classification.  
clustering.  
regression.

#### NEW QUESTION 9

- (Topic 5)

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

Which service should you use?

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

**Answer:** B

**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 semistructured content, including FAQs, manuals, and documents. Answer users' questions with the best answers from the QnAs in your knowledge base—automatically. Your knowledge base gets smarter, too, as it continually learns from user behavior.

Reference:

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

#### NEW QUESTION 10

- (Topic 5)

For which two workloads can you use computer vision? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. creating photorealistic images by using three-dimensional models
- B. assigning the color pixels in an image to object names
- C. describing the contents of an image
- D. detecting inconsistencies and anomalies in a stream of data
- E. creating visual representations of numerical data

**Answer:** BC

#### NEW QUESTION 10

- (Topic 5)

Which scenario is an example of a webchat bot?

- A. Determine whether reviews entered on a website for a concert are positive or negative, and then add 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.

**Answer:** D

**NEW QUESTION 15**

HOTSPOT - (Topic 5)

Select the answer that correctly completes the sentence.

Answer Area

Creating a text transcript of a voice recording is an example of

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

Answer selections

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Creating a text transcript of a voice recording is an example of

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

Answer selections

**NEW QUESTION 19**

- (Topic 5)

You need to predict the animal population of an area. Which Azure Machine Learning type should you use?

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

Answer: C

**NEW QUESTION 20**

HOTSPOT - (Topic 5)

Select the answer that correctly completes the sentence.

Answer Area

A banking system that predicts whether a loan will be repaid is an example of the

classification

classification

clustering

regression

type of machine learning.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A banking system that predicts whether a loan will be repaid is an example of the

classification

classification

clustering

regression

type of machine learning.

**NEW QUESTION 23**

- (Topic 5)

Your company manufactures widgets.

You have 1.000 digital photos of the widgets.

You need to identify the location of the widgets within the photos. What should you use?

- A. Computer Vision Spatial Analysis
- B. Custom Vision object detection
- C. Custom Vision classification
- D. Computer Vision Image Analysis

Answer: B

**NEW QUESTION 27**

HOTSPOT - (Topic 5)

Select the answer that correctly completes the sentence

Answer Area

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

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

NEW QUESTION 30

HOTSPOT - (Topic 5)

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

NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 34

HOTSPOT - (Topic 5)

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

NOTE; Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Answer Area

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

**NEW QUESTION 39**

HOTSPOT - (Topic 5)

Select the answer that correctly completes the sentence.

Answer Area

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

an anomaly detection workload.

a computer vision workload.

a knowledge mining workload.

a natural language processing (NLP) workload.

an anomaly detection workload.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

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

an anomaly detection workload.

a computer vision workload.

a knowledge mining workload.

a natural language processing (NLP) workload.

an anomaly detection workload.

**NEW QUESTION 43**

HOTSPOT - (Topic 5)

Select the answer that correctly completes the sentence.

Answer Area

Regression models can be used to predict the sale price of auctioned items.

Regression

Classification

Clustering

Regression

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Regression models can be used to predict the sale price of auctioned items.

Regression

Classification

Clustering

Regression

**NEW QUESTION 48**

- (Topic 5)

Which Azure Cognitive Services service can be used to identify documents that contain sensitive information?

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

Answer: C

**NEW QUESTION 53**

HOTSPOT - (Topic 5)

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

NOTE: Each correct selection is worth one point.

Answer Area	Statements	Yes	No
	Object detection can identify the location of a damaged product in an image.	<input type="radio"/>	<input type="radio"/>
	Object detection can identify multiple instances of a damaged product in an image.	<input type="radio"/>	<input type="radio"/>
	Object detection can identify multiple types of damaged products in an image.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area	Statements	Yes	No
	Object detection can identify the location of a damaged product in an image.	<input checked="" type="radio"/>	<input type="radio"/>
	Object detection can identify multiple instances of a damaged product in an image.	<input type="radio"/>	<input checked="" type="radio"/>
	Object detection can identify multiple types of damaged products in an image.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 58**

HOTSPOT - (Topic 5)

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

**NEW QUESTION 62**

- (Topic 5)

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

NOTE: Each correct selection is worth one point.

- A. a telephone answering service that has a pre-recorder message
- B. a chatbot that provides users with the ability to find answers on a website by themselves

- C. telephone voice menus to reduce the load on human resources
- D. a service that creates frequently asked questions (FAQ) documents by crawling public websites

Answer: BC

**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, self-service is a critical facet of any customer-facing communications strategy.

Reference:

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

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

**NEW QUESTION 67**

HOTSPOT - (Topic 5)

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

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

anomaly detection.
computer vision.
conversational AI.
forecasting.

- A. Mastered
- B. Not Mastered

Answer: A

**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.

**NEW QUESTION 71**

HOTSPOT - (Topic 5)

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

Answer Area

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

image classification.
object detection.
optical character recognition (OCR).
facial detection.

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Answer Area

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

image classification.
object detection.
optical character recognition (OCR).
facial detection.

**NEW QUESTION 75**

HOTSPOT - (Topic 5)

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

Answer Area

An AI solution that helps photographers take better portrait photographs by providing feedback on exposure, noise, and occlusion is an example of facial

recognition.
analysis.
detection.
recognition.

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

**Answer Area**

An AI solution that helps photographers take better portrait photographs by providing feedback on exposure, noise, and occlusion is an example of facial 

- recognition.
- analysis.
- detection.
- recognition.

**NEW QUESTION 79**

- (Topic 5)

You have an Internet of Things (IoT) device that monitors engine temperature. The device generates an alert if the engine temperature deviates from expected norms. Which type of AI workload does the device represent?

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

**Answer: C**

**NEW QUESTION 80**

HOTSPOT - (Topic 5)

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

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**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.

**NEW QUESTION 81**

HOTSPOT - (Topic 5)

Select the answer that correctly completes the sentence.

**Answer Area**

Predicting how many vehicles will travel across a bridge on a given day is an example of 

- classification.
- clustering.
- regression.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**NEW QUESTION 83**

- (Topic 4)

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

**Answer:** B

**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>

**NEW QUESTION 86**

- (Topic 4)

Your website has a chatbot to assist customers.

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

Which type of AI workload should you use?

- A. anomaly detection
- B. semantic segmentation
- C. regression
- D. natural language processing

**Answer:** D

**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>

**NEW QUESTION 87**

- (Topic 4)

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

NOTE: Each correct selection is worth one point.

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

**Answer:** AD

**Explanation:**

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

Reference:

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

**NEW QUESTION 89**

HOTSPOT - (Topic 3)

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

NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
When creating an object detection model in the Custom Vision service, you must choose a classification type of either <b>Multilabel</b> or <b>Multiclass</b> .	<input type="radio"/>	<input checked="" type="radio"/>
You can create an object detection model in the Custom Vision service to find the location of content within an image.	<input checked="" type="radio"/>	<input type="radio"/>
When creating an object detection model in the Custom Vision service, you can select from a set of predefined domains.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 90

HOTSPOT - (Topic 2)

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

Answer Area

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 95

HOTSPOT - (Topic 2)

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
A validation set includes the set of input examples that will be used to train a mode.	<input type="radio"/>	<input type="radio"/>
A validation set can be used to determine how well a model predicts labels.	<input type="radio"/>	<input type="radio"/>
A validation set can be used to verify that all the training data was used to train the model.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**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.

**NEW QUESTION 97**

- (Topic 2)

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

NOTE: Each correct selection is worth one point.

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

**Answer:** AD

**Explanation:**

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

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

**NEW QUESTION 100**

HOTSPOT - (Topic 2)

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

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

	▼
evaluation.	
feature engineering	
hyperparameter tuning.	
labeling.	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

	▼
evaluation.	
feature engineering	
hyperparameter tuning.	
labeling.	

**NEW QUESTION 101**

HOTSPOT - (Topic 2)

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

Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is \_\_\_\_\_ principle for responsible AI.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Ensuring an AI system does not provide a prediction when important fields contain unusual or missing values is \_\_\_\_\_ principle for responsible AI.

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

**NEW QUESTION 105**

DRAG DROP - (Topic 2)

Match the types of machine learning to the appropriate scenarios.

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

NOTE: Each correct selection is worth one point.

**Learning Types**

- Classification
- Clustering
- Regression

**Answer Area**

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

**NEW QUESTION 106**

- (Topic 1)

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

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

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

Answer: C

Explanation:

Reference:

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

AI systems should empower everyone and engage people. AI should bring benefits to all parts of society, regardless of physical ability, gender, sexual orientation, ethnicity, or other factors.

<https://docs.microsoft.com/en-us/learn/modules/get-started-ai-fundamentals/7-understand-responsible-ai>

**NEW QUESTION 107**

- (Topic 1)

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

You need to ensure that you only retweet photos that meet the following requirements:  
 Include one or more faces.  
 Contain at least one person wearing sunglasses. What should you use to analyze the images?

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

**Answer:** B

**Explanation:**

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

**NEW QUESTION 109**

HOTSPOT - (Topic 1)

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**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.

**NEW QUESTION 114**

DRAG DROP - (Topic 1)

Match the types of AI workloads to the appropriate scenarios.

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

NOTE: Each correct selection is worth one point.

**Workload Types**

- Anomaly detection
- Computer vision
- Machine Learning (Regression)
- Natural language processing

**Answer Area**

- Workload Type Identify handwritten letters.
- Workload Type Predict the sentiment of a social media post.
- Workload Type Identify a fraudulent credit card payment.
- Workload Type Predict next month's toy sales.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Workload Types**

- Anomaly detection
- Computer vision
- Machine Learning (Regression)
- Natural language processing

**Answer Area**

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

**NEW QUESTION 116**

HOTSPOT - (Topic 1)

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

**Answer Area**

is used to generate additional features.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Answer Area**

is used to generate additional features.

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

**NEW QUESTION 118**

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