AI-900Q&As

Microsoft Azure AI Fundamentals

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QUESTION 1

You have a security system that analyzes images from CCTV to provide authorized staff entry into restricted area. Which type of computer vision does the system use?

A. optical character recognition (OCR)

B. semantic segmentation

C. facial detection and facial recognition

D. image analysis

Correct Answer: C

Embed facial recognition into your apps for a seamless and highly secured user experience. No machine-learning expertise is required. Features include face detection that perceives facial features and attributes — such as a face mask, glasses, or face location — in an image, and identification of a person by a match to your private repository or via photo ID.

Note: Facial recognition CCTV cameras can take images of faces they film and compare them against a predefined database of images to determine if there is a match.

Reference: https://azure.microsoft.com/en-in/products/cognitive-services/face

QUESTION 2

HOTSPOT

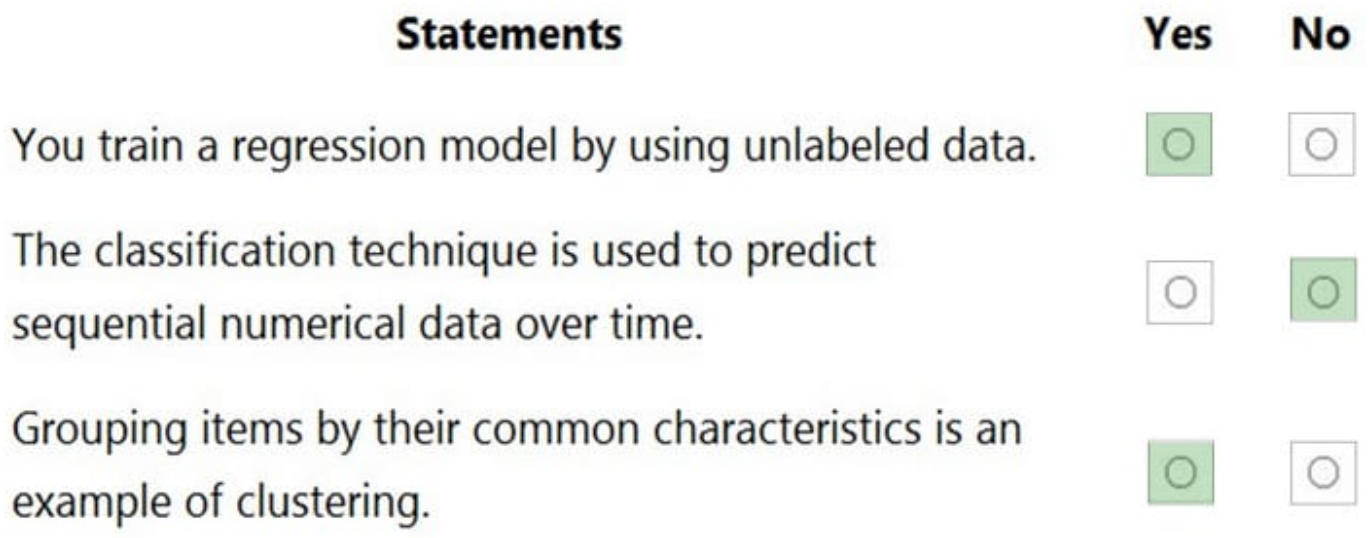
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
You train a regression model by using unlabeled data.	○	○
The classification technique is used to predict sequential numerical data over time.	○	○
Grouping items by their common characteristics is an example of clustering.	○	○

Correct Answer:



Reference: https://docs.microsoft.com/en-us/learn/modules/create-regression-model-azure-machine-learning-designer/5-create-training-pipeline https://docs.microsoft.com/en-us/learn/modules/create-classification-model-azure-machine-learning-designer/introduction https://docs.microsoft.com/en-us/learn/modules/create-clustering-model-azure-machine-learning-designer/1-introduction

QUESTION 3

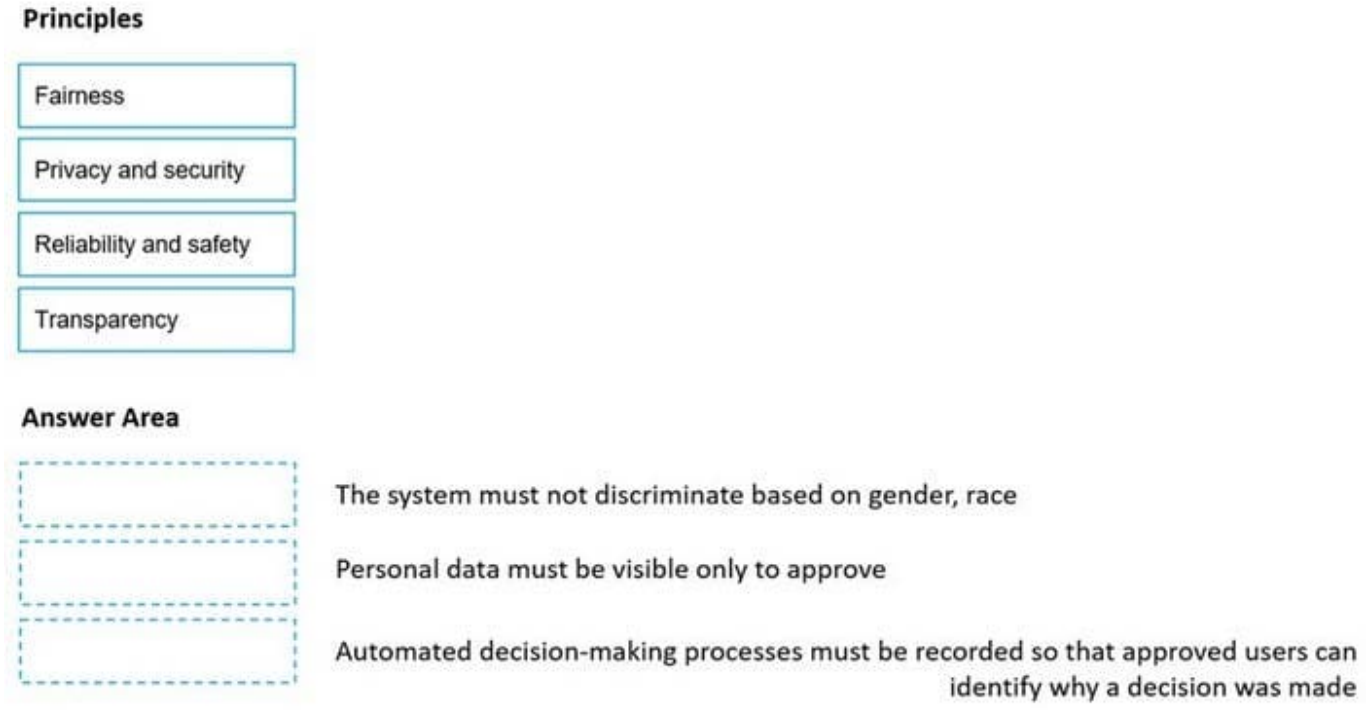
DRAG DROP

Match the principles of responsible AI to appropriate requirements.

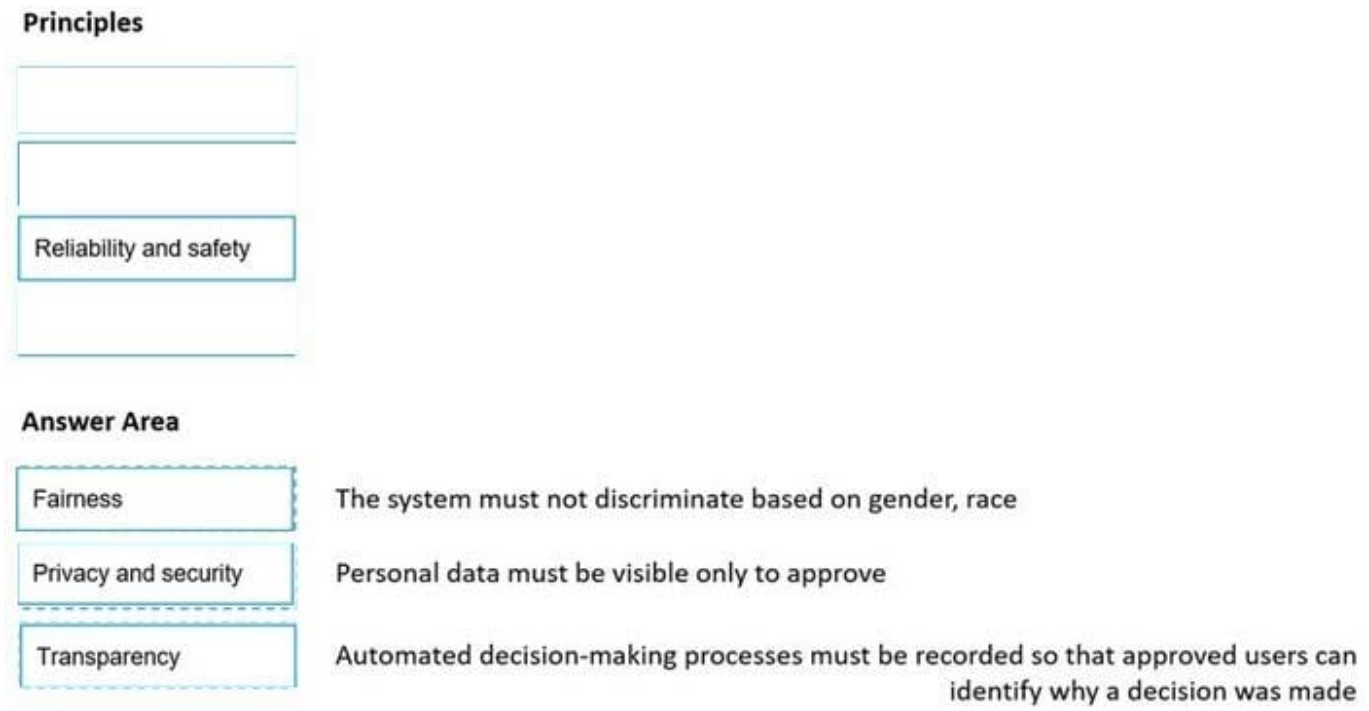
To answer, drag the appropriate principles from the column on the left to its requirement on the right. Each principle may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



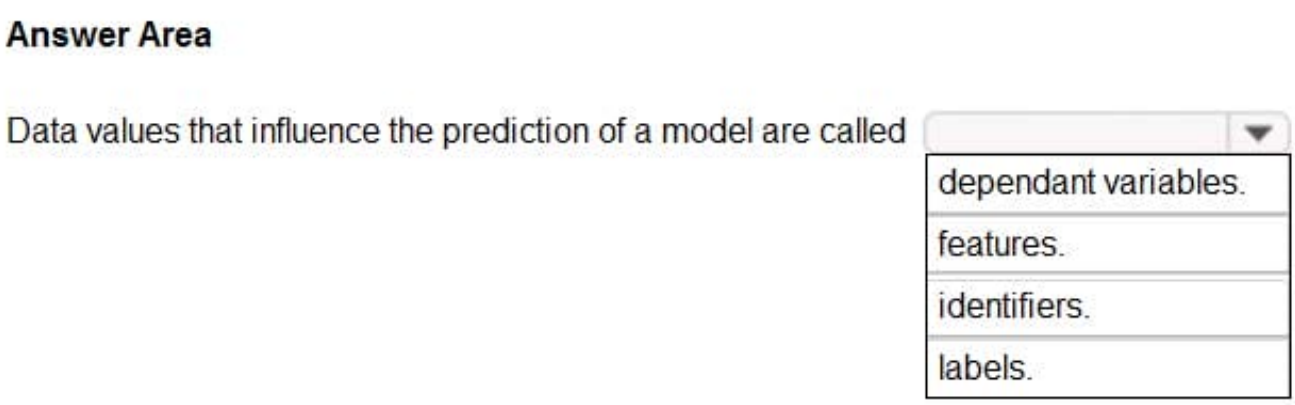
Reference: https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/innovate/best-practices/trusted-ai
https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles

QUESTION 4

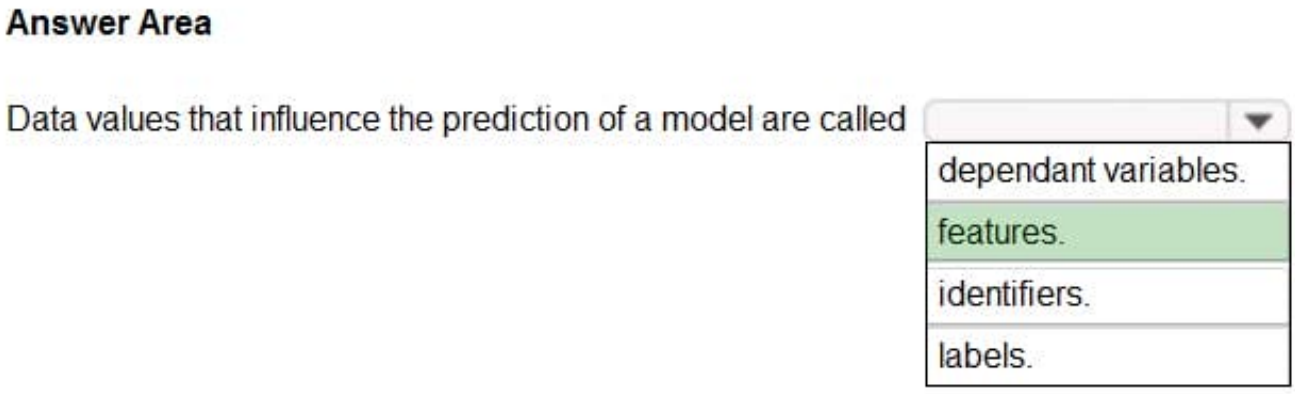
HOTSPOT

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

Hot Area:



Correct Answer:



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

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

Incorrect Answers:

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

inputs. Narrowing the field of data helps reduce noise and improve training performance.

Reference:

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

QUESTION 5

HOTSPOT

You have the following dataset.

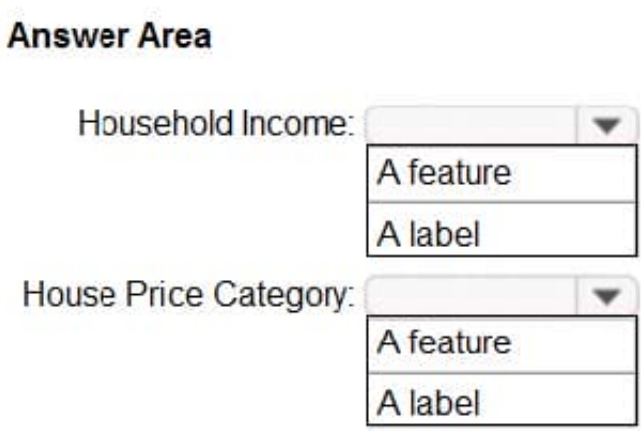
Household Income	Postal Code	House Price Category
20,000	55555	Low
23,000	20541	Middle
80,000	87960	High

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

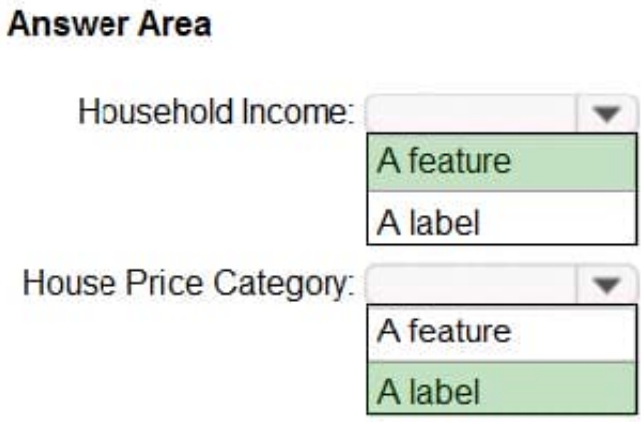
What are Household Income and House Price Category? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



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

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