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Question 1

Question Type: MultipleChoice

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

Options:

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

Answer:

A

Question 2

Question Type: MultipleChoice

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

Options:

A- facial detection

B- image classification

C- optical character recognition (OCR)

D- object detection

Answer:

D

Question 3

Question Type: MultipleChoice

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

NOTE: Each correct answer is worth one point.

Options:

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

Answer:

A, C

Question 4

Question Type: MultipleChoice

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?

Options:

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

Answer:

D

Question 5

Question Type: MultipleChoice

You have an Azure Machine Learning pipeline that contains a Split Data module. The Split Data module outputs to a Train Model module and a Score Model module. What is the function of the Split Data module?

Options:

- A- selecting columns that must be included in the model
- B- creating training and validation datasets

C- diverting records that have missing data

D- scaling numeric variables so that they are within a consistent numeric range

Answer:

A

Question 6

Question Type: DragDrop

Match the tool to the Azure Machine Learning task.

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

NOTE: Each correct match is worth one point.

Tools

Automated machine learning
(automated ML)

The Azure portal

Answer:

Machine Learning designer

Answer Area

Tool

Create a Machine Learning wor

Tool

Use a drag-and-drop interface

Tool

Use a wizard to select configur

Question 7

Question Type: Hotspot

correctly completes the sentence.

Answer Area

In a machine learning model, the data that is used as inputs are called

features.
functions.
labels.
instances.

Answer:

Question 8

Question Type: Hotspot

You have an Azure Machine Learning model that predicts product quality. The model has a training dataset that contains 50,000 records. A sample of the data is shown in the following table.

Date	Time	Mass (kg)	Temperature (C)	Quality Test
26/02/2021	15:31:07	2.108	62.5	Pass
26/02/2021	15:31:39	2.099	62.4	Pass
26/02/2021	02:32:21	2.098	66.4	Fail

otherwise, select No.

Answer Area

Statements

Yes

No

Mass (kg) is a feature.

Quality Test is a label.

Temperature (C) is a label.

Answer:

Question 9

Question Type: DragDrop

Match the principles of 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 match is worth one point.

Principles

Fairness

Inclusiveness

Privacy and security

Reliability and safety

Answer Area

AI systems must consistently operate as intended, even under unexpected conditions.

AI systems must protect and secure personal and businesses information.

Answer:

Question 10

Question Type: DragDrop

Match the services to the appropriate descriptions.

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

NOTE: Each correct match is worth one point

Services	Answer Area
Azure Storage	<input type="text"/> Enables the use of natural language to query a knowledge base.
Language Understanding (LUIS)	<input type="text"/> Enables the real-time transcription of speech-to-text.
QnA Maker	
Answer:	
Speech	

Question 11

Question Type: MultipleChoice

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.

Options:

- 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 chat content from a predefined data source.

Answer:

A, C, E

Explanation:

Automatic extraction

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

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

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