AI-900^{Q&As}

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Microsoft Azure AI Fundamentals

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QUESTION 1

You need to identify street names based on street signs in photographs. Which type of computer vision should you use?

A. object detection

B. optical character recognition (OCR)

C. image classification

D. facial recognition

Correct Answer: C

QUESTION 2

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: AC

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 3

HOTSPOT

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

Hot Area:

Answer Area

Data values that influence the prediction of a model are called [▼]

| dependant variables. |
| features. |
| identifiers. |
| labels. |

Correct Answer:

Answer Area

Data values that influence the prediction of a model are called [▼]

| dependant variables. |
| features. |
| identifiers. |
| labels. |

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

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

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 4

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

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 |

Correct Answer:

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 |

QUESTION 5

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

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

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