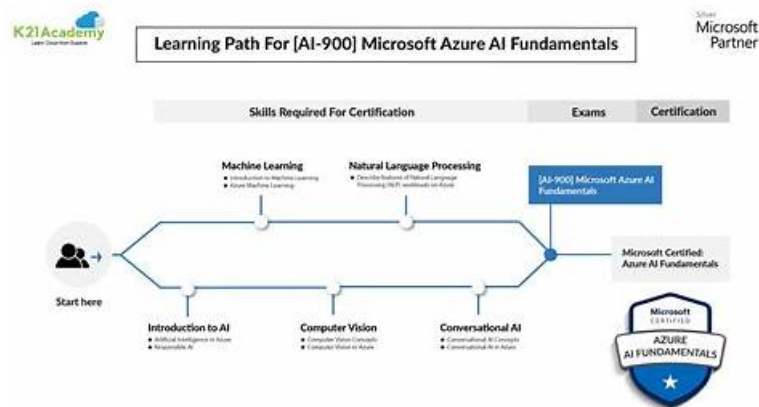


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Microsoft AI-900, also known as Microsoft Azure AI Fundamentals, is an entry-level certification exam that measures one's understanding of fundamental AI concepts and their application in Microsoft Azure. AI-900 Exam is designed for individuals who are interested in gaining foundational knowledge of AI and machine learning technologies to enhance their career prospects. It is also ideal for business leaders, developers, IT professionals, and students who want to demonstrate their proficiency in AI and Azure services.

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Microsoft AI-900 (Microsoft Azure AI Fundamentals) Exam is a certification exam designed to test the fundamental knowledge of candidates in the field of artificial intelligence and machine learning. AI-900 exam is intended for individuals who want to validate their foundational knowledge of AI and its applications in the Microsoft Azure environment. AI-900 Exam is suitable for technical and non-technical professionals who wish to gain knowledge and skills in AI and machine learning.

How much AZ-900:Microsoft Azure AI Fundamentals Exam Cost

The exam cost of Microsoft Azure AI Fundamentals is 99 USD.

Microsoft Azure AI Fundamentals Sample Questions (Q57-Q62):

NEW QUESTION # 57

Extracting relationships between data from large volumes of unstructured data is an example of which type of AI workload?

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

Answer: D

Explanation:

Extracting relationships and insights from large volumes of unstructured data (such as documents, text files, or images) aligns with the Knowledge Mining workload in Microsoft Azure AI. According to the Microsoft AI Fundamentals (AI-900) study guide and Microsoft Learn module "Describe features of common AI workloads," knowledge mining involves using AI to search, extract, and structure information from vast amounts of unstructured or semi-structured content.

In a typical knowledge mining solution, tools like Azure AI Search and Azure AI Document Intelligence work together to index data, apply cognitive skills (such as OCR, key phrase extraction, and entity recognition), and then enable users to discover relationships and patterns through intelligent search. The process transforms raw content into searchable knowledge.

The key characteristics of knowledge mining include:

- * Using AI to extract entities and relationships between data points.
- * Applying cognitive skills to text, images, and documents.
- * Creating searchable knowledge stores from unstructured data.

Hence, B. Knowledge Mining is correct.

The other options-computer vision, NLP, and anomaly detection-deal with image recognition, language understanding, and data irregularities, respectively, not large-scale information extraction.

NEW QUESTION # 58

Select the answer that 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:

Explanation:

Answer Area

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

features.
functions.
labels.
instances.

Explanation

Answer Area

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

features.

NEW QUESTION # 59

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
Chatbots can only be built by using custom code.	☐	☐
The Azure Bot Service provides services that can be used to host conversational bots.	☐	☐
Bots built by using the Azure Bot Service can communicate with Microsoft Teams users.	☐	☐

Answer:

Explanation:

Statements	Yes	No
Chatbots can only be built by using custom code.	☐	☒
The Azure Bot Service provides services that can be used to host conversational bots.	☒	☐
Bots built by using the Azure Bot Service can communicate with Microsoft Teams users.	☒	☐



NEW QUESTION # 60

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.

Learning Types	Answer Area
Feature engineering	Task: Examining the values of a confusion matrix
Feature selection	Task: Splitting a date into month, day, and year fields
Model deployment	Task: Picking temperature and pressure to train a weather model
Model evaluation	
Model training	



Answer:

Explanation:

Learning Types	Answer Area
Feature engineering	Model evaluation: Examining the values of a confusion matrix
Feature selection	Feature engineering: Splitting a date into month, day, and year fields
Model deployment	Feature selection: Picking temperature and pressure to train a weather model
Model evaluation	
Model training	



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>

NEW QUESTION # 61

You have a dataset that contains experimental data for fuel samples.

You need to predict the amount of energy that can be obtained from a sample based on its density.

Which type of AI workload should you use?

- A. Clustering

- Answer: D**

• • • • •

[illegible]

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