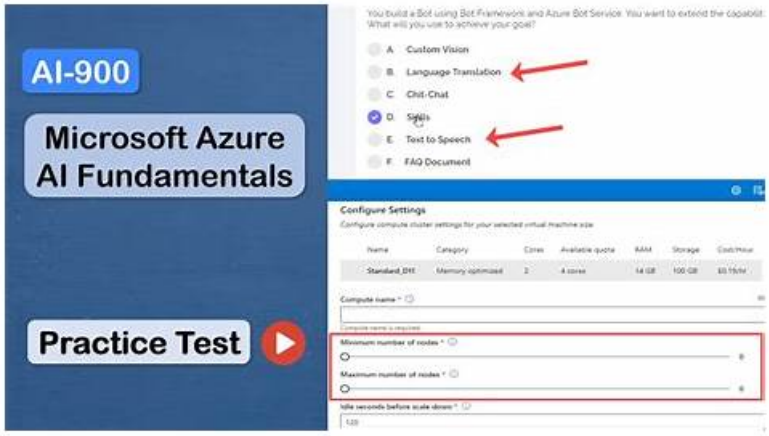
Microsoft AI-900 Test Questions: Microsoft Azure AI Fundamentals - VCEEngine Official Pass Certify



BONUS!!! Download part of VCEEngine AI-900 dumps for free: https://drive.google.com/open?id=1Vd-B01B8UzWuRWIx6DNJHDG6wKC4F-aq

Our company has authoritative experts and experienced team in related industry. To give the customer the best service, all of our company's AI-900 learning materials are designed by experienced experts from various field, so our AI-900 Learning materials will help to better absorb the test sites. One of the great advantages of buying our product is that can help you master the core knowledge in the shortest time. At the same time, our AI-900 learning materials discard the most traditional rote memorization methods and impart the key points of the qualifying exam in a way that best suits the user's learning interests, this is the highest level of experience that our most authoritative think tank brings to our AI-900 Learning Materials users. Believe that there is such a powerful expert help, our users will be able to successfully pass the qualification test to obtain the qualification certificate.

The AI-900 exam covers various topics, including the fundamentals of AI, Azure AI services, computer vision, natural language processing, and conversational AI. AI-900 exam is designed to test your ability to work with Azure AI services, such as Azure Cognitive Services and Azure Machine Learning. You will also need to demonstrate your knowledge of key Azure tools that support AI and ML workloads, such as Azure Notebooks and Azure Databricks.

The Microsoft AI-900 Exam covers a range of topics including the fundamentals of AI and machine learning, the different types of AI models, and how to build and train machine learning models using Microsoft Azure. AI-900 exam is also designed to evaluate your understanding of key ethical and responsible AI principles and how to implement them in real-world scenarios.

>> AI-900 Test Questions <<

VCE AI-900 Exam Simulator, AI-900 Simulations Pdf

As the development of the science and technologies, there are a lot of changes coming up with the design of our AI-900 exam questions. We are applying new technology to perfect the AI-900 study materials. Through our test, the performance of our AI-900 learning quide becomes better than before. In a word, our AI-900 training braindumps will move with the times. Please pay great attention to our AI-900 actual exam.

Microsoft AI-900 Exam covers a wide range of topics related to AI and machine learning, including machine learning workloads, computer vision workloads, natural language processing workloads, and conversational AI workloads. Candidates will be tested on their understanding of the key concepts and terminology related to these topics, as well as their ability to use the Azure AI services to build intelligent solutions.

Microsoft Azure AI Fundamentals Sample Questions (Q96-Q101):

NEW QUESTION # 96
Which three actions improve the quality of responses returned by a generative Al solution that uses GPT-3.5?
Each correct answer presents a complete solution.
NOTE: Each correct answer is worth one point.

- A. Modify system messages.
- B. Add training data to prompts.
- C. Add grounding data to prompts.
- D. Modify tokenization.
- E. Provide additional examples to prompts.

Answer: A,C,E

Explanation:
To improve the quality and relevance of responses generated by a generative AI solution using GPT-3.5, the following three actions are emphasized in the Microsoft Learn: Azure OpenAI Service best practices and AI-900/AI-102 training materials:
* (A) Add grounding data to prompts: Grounding ensures that the model's output is based on factual, domain-specific information. By adding context or external knowledge sources, responses become more accurate and aligned with the organization's data rather than relying on the model's general training corpus.
* (B) Provide additional examples to prompts: Also known as few-shot prompting, this method demonstrates desired response patterns by including examples in the prompt. This significantly improves output quality, consistency, and adherence to desired formats.
* (E) Modify system messages: In Azure OpenAI chat completions, system messages define the model's behavior, style, and tone. Adjusting system messages allows fine-tuning of the model's response quality, ensuring it follows context or persona guidelines.
The remaining options are incorrect:
* (C) Modify tokenization is a low-level text-processing technique not used to improve model response quality directly.
* (D) Add training data to prompts is not possible at runtime since GPT-3.5 models are pre-trained; only prompt engineering can influence output behavior.
Therefore, based on Azure OpenAI and AI-900 guidance, the three best ways to enhance generative

NEW QUESTION # 97
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. Create a dataset from a comma-separated value (CSV) file.
- D. Use a graphical user interface (GUI) to define and run machine learning experiments from Azure Machine Learning designer.

Answer: A,D

Explanation:
The correct answers are A. Use a graphical user interface (GUI) to run automated machine learning experiments and C. Use a graphical user interface (GUI) to define and run machine learning experiments from Azure Machine Learning designer.
According to the Microsoft Azure AI Fundamentals (AI-900) official documentation and Microsoft Learn module "Create and manage Azure Machine Learning workspaces", there are two workspace tiers: Basic and Enterprise. The Enterprise workspace provides advanced capabilities for automation, visualization, and collaboration that are not available in the Basic tier.
Specifically:
* Automated machine learning (AutoML) using a GUI is only available in the Enterprise tier. AutoML automatically selects algorithms and tunes hyperparameters through the Azure Machine Learning studio interface.
* Azure Machine Learning designer, which allows users to visually drag and drop datasets and modules to create machine learning pipelines, also requires the Enterprise workspace.
In contrast:
* B. Create a compute instance and D. Create a dataset from a CSV file are fundamental actions supported in both Basic and Enterprise workspaces. These do not require the advanced licensing features of the Enterprise edition.
Therefore, tasks involving the graphical, no-code tools-Automated ML (AutoML) and the Designer- require the Enterprise workspace, aligning with AI-900's learning objectives.
Reference:Microsoft Learn - Create and manage Azure Machine Learning workspaces and Automate model training with Azure Machine Learning

NEW QUESTION # 98

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:

Explanation:

Explanation:

This question is based on identifying Natural Language Processing (NLP) workloads, which is a fundamental topic in the Microsoft Azure AI Fundamentals (AI-900) certification. According to the official Microsoft Learn module "Describe features of natural language processing (NLP) workloads on Azure", NLP enables computers to understand, interpret, and generate human language - both written and spoken.

* A bot that responds to queries by internal users - YesThis is an example of a natural language processing workload because it involves understanding and generating human language. A chatbot interprets user input (queries written or spoken) using language understanding and text analytics, and then produces appropriate responses. On Azure, this can be implemented using Azure AI Language (LUIS) and the Azure Bot Service, both core NLP technologies.
* A mobile application that displays images relating to an entered search term - NoThis application involves searching for or displaying images, which falls under the computer vision workload, not NLP.

Computer vision focuses on analyzing and interpreting visual data like photos or videos, while NLP deals with language and text processing.

* A web form used to submit a request to reset a password - NoA password reset form involves structured input fields and user authentication, not natural language understanding or generation. It's part of standard web development and identity management, not an NLP-related process.

Therefore, based on Microsoft's AI-900 curriculum definitions:

The only true NLP example is the bot responding to user queries, since it processes and understands natural language input to generate conversational output.

NEW QUESTION # 99

Match the types of natural languages processing 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.

Answer:

Explanation:

Explanation:

According to the Microsoft Azure AI Fundamentals (AI-900) official study guide and the Microsoft Learn module "Identify features of Natural Language Processing (NLP) workloads on Azure", Azure Cognitive Services provides several text analytics and language understanding workloads that perform different types of language processing tasks. Each workload extracts specific information or performs distinct analysis operations on text data.

* Entity Recognition # Extracts persons, locations, and organizations from the textEntity recognition is a feature of Azure Cognitive Service for Language (formerly Text Analytics). It identifies and categorizes named entities in unstructured text, such as people, organizations, locations, dates, and more. The study guide defines this workload as: "Entity recognition locates and classifies named entities in text into predefined categories." This allows applications to extract structured information from raw text data- for example, identifying "Microsoft" as an organization and "Seattle" as a location.
* Sentiment Analysis # Evaluates text along a positive-negative scaleSentiment analysis determines the emotional tone or opinion expressed in a piece of text. It classifies text as positive, negative, neutral, or mixed, which is widely used for social media monitoring, customer feedback, and product reviews.

Microsoft's official documentation describes it as: "Sentiment analysis evaluates text and returns a sentiment score indicating whether the sentiment is positive, negative, neutral, or mixed."

* Translation # Returns text translated to the specified target languageThe Translator service, part of Azure Cognitive Services, automatically translates text from one language to another. It supports multiple languages and provides near real-time translation. The AI-900 content specifies that

"translation workloads are used to automatically translate text between languages using machine translation models." In summary:

* Entity Recognition # Extracts entities like names and locations.
* Sentiment Analysis # Determines emotional tone.
* Translation # Converts text between languages.

Final Answers:

* Extracts persons, locations, and organizations # Entity recognition

* Evaluates text along a positive-negative scale # Sentiment analysis
* Returns text translated to the specified target language # Translation

NEW QUESTION # 100
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:

Explanation:
Reference:
https://azure.microsoft.com/es-es/blog/machine-assisted-text-classification-on-content-moderator-public-preview/
https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/natural-language-processing

NEW QUESTION # 101
.....