

Practice Quiz: Generative AI Essentials

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Practice Assignment • 15 min



1. Sarah is a data scientist at a mid-sized company. She wants to implement a model that can handle multiple NLP tasks with minimal labeled data. Which approach should she consider using?

1 point

- Using a foundation model with tuning
- Training a separate model for each task
- Using a small dataset to train a new model from scratch
- Developing a rule-based system

2. Which of the following best describes the Natural Language Understanding (NLU) process in Natural Language Processing (NLP)?

1 point

- Analyzing the grammatical structure of sentences
- Generating human-like responses to text inputs
- Translating unstructured text into structured data
- Converting structured data into unstructured text

3. A company wants to implement a system to predict customer behavior patterns using past data. Which AI approach should they focus on?

1 point

- Rule-based AI
- Generative AI
- Machine learning
- Expert systems

4. How do discriminative and generative models fundamentally differ in how they learn from data?

1 point

- Discriminative models focus on decision boundaries and generative models capture data distributions.
- Discriminative models copy data patterns and generative models ignore