

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