1 1 / 1 point

What is the main distinction between AI and machine learning (ML)?

- ML systems do not use data
- ✓ ML is a subset of AI focused on learning from data and new algorithmic learning paradigms
- AI is used only in robotics; ML is used for data analysis
- AI is narrower in scope than ML

2 1 / 1 point

Why is predictive AI still crucial for businesses today?

- It creates realistic images
- It provides the foundation for AI creativity
- It is newer and trendier
- ✓ It generates significant business value through decisions driven by data

3 1 / 1 point

What is a key difference between predictive and generative AI?

- ◯ Predictive AI is used only for images
- ◯ Generative AI cannot make predictions
- ◯ Predictive AI requires no training data
- ✓ ● The objective of generative AI is to produce (generate) new data based on training data and not just to make predictions

4 1 / 1 point

What is a key technical innovation that enabled the rise of generative AI like ChatGPT?

- ✓ Embeddings and the Transformer architecture
- Convolutional filters
- Supervised classification
- Clustering algorithms

5 1 / 1 point

What is "hallucination" in generative AI models?

- A crash due to memory overload
- A visual glitch
- ✓ Generating new, but false information that was not part of the training data
- Predicting the same output for all inputs

6 1 / 1 point

What is Retrieval-Augmented Generation (RAG)?

- ✓ Using external documents and content during inference to improve accuracy
- Optimizing performance using statistical regressions
- Creating random responses
- Training AI with social media data

7 1 / 1 point

Why do some AI models struggle with edge cases?

- They only function in real-time environments
- Edge cases are only related to video data which we know is hard
- ✓ They rely heavily on historical data that may not have information of such cases
- Edge cases are very easy for AI but hard for humans

8 1 / 1 point

What is reinforcement learning with human feedback (RLHF)?

- Teaching humans to understand AI
- Fine-tuning models based on survey responses
- Using AI to automate a business process
- ✓ Training AI models using human ratings on outputs

9 1 / 1 point

Why should businesses be cautious when adopting AI based on benchmark performance?

- Benchmarks are used only for academic research
- Benchmarks always reflect real-world applications
- ✓ Real-world tasks differ significantly from benchmarks
- AI benchmarks guarantee legal compliance

10 1 / 1 point

How can AI best support humans in the workplace, according to the speaker?

- By automating every business process
- By reducing all jobs to data analysis
- ✓ By helping humans perform better, especially on routine tasks
- By fully replacing human workers