Quiz - Introduction to Artificial Intelligence

Total points 8/9

Email *

shinoda.c.i@gmail.com

✓ Which school of thought in AI emphasizes the use of artificial neural networks to model human cognition? *1/1

- (●) Connectionism ✓
- ( ) Symbolism
- ( ) Behaviorism

Feedback

Connectionist AI systems are designed to mimic the way that neurons in the brain process information

✓ Which school of thought in AI emphasizes the importance of observable behavior and stimulus-response associations for learning? *1/1

- (●) Behaviorism ✓
- ( ) Symbolism
- ( ) Connectionism

Feedback

Behaviorist AI systems learn by being exposed to patterns of input and output, and developing associations between those inputs and outputs

✓ Which type of AI is designed to perform specific tasks or functions, and is not capable of human-like intelligence? *1/1

- (●) Weak AI ✓
- ( ) Strong AI
- ( ) Both weak and strong AI

Feedback

Weak AI is designed to perform specific tasks or functions such as playing chess, recognizing speech, or driving a car

✗ Which type of AI is currently more prevalent in our daily lives and is used in applications such as virtual assistants, image recognition, and recommendation systems? *0/1

- ○ Weak AI
- ○ Strong AI
- ◉ Both weak and strong AI ✗

Correct answer

- ◉ Weak AI

✓ Which affirmation is correct? * 1/1

- ○ Artificial intelligence, machine learning, and deep learning are all different terms for the same thing
- ○ Artificial intelligence is a subset of machine learning
- ◉ Deep learning is a subset of artificial intelligence ✓

Feedback

Indeed, deep learning is a subset of machine learning, which in turn is a subset of artificial intelligence

✓ What is a DL/ML framework? * 1/1

- (●) A set of tools and libraries that make it easier to build and train machine learning models ✓
- ( ) A type of computer processor optimized for AI workloads
- ( ) A set of techniques used to preprocess data before training a machine learning model

Feedback

These frameworks provide a range of pre-built functions and tools for tasks such as data preprocessing, model building, and training.

✓ What is the role of "computing power" in AI? * 1/1

- ( ) Computing power is not important for AI
- (●) Computing power is important for training and deploying AI models ✓
- ( ) Computing power is important for data collection and cleaning

Feedback

Machine learning algorithms require large amounts of computing power to process data and perform calculations

✓ Which of the following is an example of an AI application * 1/1

- [x] Virtual assistants like Siri or Alexa ✓
- [x] Self-driving cars ✓
- [x] Predictive analytics for disease diagnosis ✓
- [x] Natural language processing for customer service ✓
- [x] Image recognition for fraud detection ✓
- [x] Personalized marketing recommendations ✓

✓ Which of the following is NOT an example of an AI application? * 1/1

- [ ] Image recognition for object detection
- [ ] Predictive maintenance in manufacturing
- [x] Spreadsheets for financial analysis ✓
- [ ] Automated customer service chatbots
- [ ] Social media analysis for brand sentiment
- [x] Manual sorting of physical mail ✓
- [ ] Email filtering for spam detection