Artificial Intelligence

Course Description

The quest for artificial intelligence (AI) has captured humanity’s interest for many decades and has been an active research area since the 1960s. This course will give a detailed overview of the historical developments, successes, and setbacks in AI, as well as modern approaches in the development of artificial intelligence. The course introduces reinforcement learning, a process similar to how humans and animals experience the world: exploring the environment and inferring the best course of action. The course also covers the principles of natural language processing and computer vision, both of which are key ingredients for an artificial intelligence to be able to interact with its environment.

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   2. Application Areas
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   2. Markov Chains and Value Function
   3. Time-Difference and Q-Learning
4. Natural Language Processing (NLP)
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