

CISC 8999 Reinforcement Learning

Spring 2019

Integrating planning and learning can substantially improve learning. However, to apply planning, you need a model.

Consider the game of blackjack. RL can be applied directly to blackjack of course.

Apply a Dyna-Q learning approach to blackjack using a sample model from an infinite deck and conduct a small parameter test of the planning parameter n .

Could you substitute a MCTS module for the planning loop? How would that work?