CISC 8999 Reinforcement Learning

Spring 2019

The classical 'cliff-walking' gridworld is a good way to illustrate the difference between SARSA and Q-Learning.

Implement a version of the cliff walk world as described in the text or use the one in OpenAI Gym to implement a comparison of SARSA and Q-Learning.

Generate a comparative study of both approaches for this problem. Explain how and why the difference in what is learned.

Do they behave differently for the same choice of initialization and choice of step size?