

Choosing the Right Algorithm

Graded Assignment



English ▾

Due Jun 20, 11:59 PM +07

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Your grade: 87.50%

Your latest: 87.50% • Your highest: 87.50%

To pass you need at least 80%. We keep your highest score.

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1. Which of the following algorithms are appropriate in a control setting in which updates will be made at every time step? [Select all that apply]

1 / 1 point

☒ SARSA

Correct! SARSA uses temporal difference learning updates that are done at every time step with (state, action, next state, reward, next action) transition tuples where the target is the sum of the reward and the action value of the next action at the next state.

☒ Q-learning

Correct! Q-Learning uses temporal difference learning updates that are done at every time step with (state, action, next state, reward) transition tuples where the target is the sum of the reward and the max over the action values at the next state.

☒ Expected SARSA

Correct! Expected SARSA uses temporal difference learning updates that are done at every time step with a (state, action, next state, reward) transition tuples where the target is the sum of the reward and the expected action value of the next state.

2. Which of the following algorithms are appropriate in a prediction setting in which updates will be made at the end of each episode? [Select all that apply]

1 / 1 point