

Control with Approximation[← Back](#)

Practice Assignment • 40 min



1. Which of the following are true? (Select all that apply)

1 point

- ☐ In the tabular case, there is generalization across states, i.e., updates to the value function of one state influences the value function of other states.
- ☒ In the tabular case, updating the value of one state does not affect the values of other states.
- ☐ When using state aggregation or coarse coding, updating the value of one state does not affect the values of other states.
- ☒ When using state aggregation or coarse coding, there is generalization across states.

2. To turn the update of Expected Sarsa algorithm to the update of Q-learning, one must:

1 point

- ☒ Use the maximum over all the actions instead of the expectation in the update function.
- ☐ Use a neural network to approximate the action-value function.
- ☐ Expected Sarsa cannot be adapted to represent Q-learning.