Your grade: 100%

Your latest: 100% • Your highest: 100% • To pass you need at least 80%. We keep your highest score.

Next item →

1.	What is the target policy in Q-learning?	1/1 point
	\bigcirc ϵ -greedy with respect to the current action-value estimates	
	Greedy with respect to the current action-value estimates	
	 Correct Correct! Q-learning's target policy is greedy with respect to the current action-value estimates. 	
2.	Which Bellman equation is the basis for the Q-learning update?	1/1 point
	Bellman equation for state values	
	Bellman equation for action values	
	Bellman optimality equation for state values	
	Bellman optimality equation for action values	
	⊙ Correct Constablish Colombia and the College at	
	Correct! The Q-learning update is based on the Bellman optimality equation for action values.	
3.	Which Bellman equation is the basis for the Sarsa update?	1/1 point
٠.		1/1 point
	Bellman equation for state values	
	Bellman equation for action values	
	Bellman optimality equation for state values	
	Bellman optimality equation for action values	
	⊙ Correct	
	Correct! The Sarsa update is based on the Bellman equation for action values.	
	Which Pallman agustion is the basis for the Functoral Caree undete?	4 / 4
4.	Which Bellman equation is the basis for the Expected Sarsa update?	1/1 point
	Bellman equation for state values	
	Bellman equation for action values	
	O Bellman optimality equation for state values	
	O Bellman optimality equation for action values	
	⊙ Correct	
	Correct! The Expected Sarsa update is based on the Bellman equation for action values.	
5.	Which algorithm's update requires more computation per step?	1/1 point
	Expected Sarsa	
	○ Sarsa	
	⊘ Correct	
	Correct! Expected Sarsa computes the expectation over next actions.	
6.	Which algorithm has a higher variance target?	1/1 point
	○ Expected Sarsa	
	Sarsa	
	⊙ Correct	
	Correct! We saw that Sarsa was more sensitive to the choice of step-size because its target has higher	
	variance.	
7.	Q-learning does not learn about the outcomes of exploratory actions.	1/1 point
••		_, _ p=
	True	
	() False	
	○ Correct Correct The undete in Charming only leaves about the great action to demonstrated in Cliff World	
	Correct! The update in Q-learning only learns about the greedy action. As demonstrated in Cliff World, it ignores the outcomes of exploratory actions.	

8.	Sarsa, Q-learning, and Expected Sarsa have similar targets on a transition to a terminal state.	1/1 point
	True	
	○ False	
	○ Correct Correct! The target in this case only depends on the reward.	
9.	Sarsa needs to wait until the end of an episode before performing its update.	1/1 point
	○ True	
	False	
	Correct Correct! Unlike Monte Carlo methods, Sarsa performs its updates at every time-step using the reward and the next action-value estimate.	