Monte Carlo and TD

ECE/CSE RL Monsoon 2019

Sep 3, 2019

Question 1.   Rewrite the psuedo code of Monte Carlo ES as mentioned in Exercise 5.4. You must explain your code and why it is equivalent to the code provided in the book.

Question 2.   Draw the backup diagram asked for in exercise 5.3.

Question 3.   Solve exercise 5.6.

Question 4.   Solve the blackjack game and generate figures 5.1, 5.2, and 5.3. Submit your figures and code. You must explain your code.

Question 5.   Solve exercise 6.2.

Question 6.   Write the necessary code and generate the figures in Example 6.2. Answer the related questions asked in exercises 6.3, 6.4, and 6.5.

Question 7.   Write the code and generate the figure that compares the sum of rewards during episodes when using Q-learning and SARSA.

Question 8.   Solve Exercise 6.12.