

Monte Carlo and TD

ECE/CSE RL Monsoon 2018

Sep 27, 2018

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. page 130

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. page 145

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. page 147

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. page 154.