

# 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.

**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.