

## Assignment 3: Q-Learning and Actor-Critic Algorithms

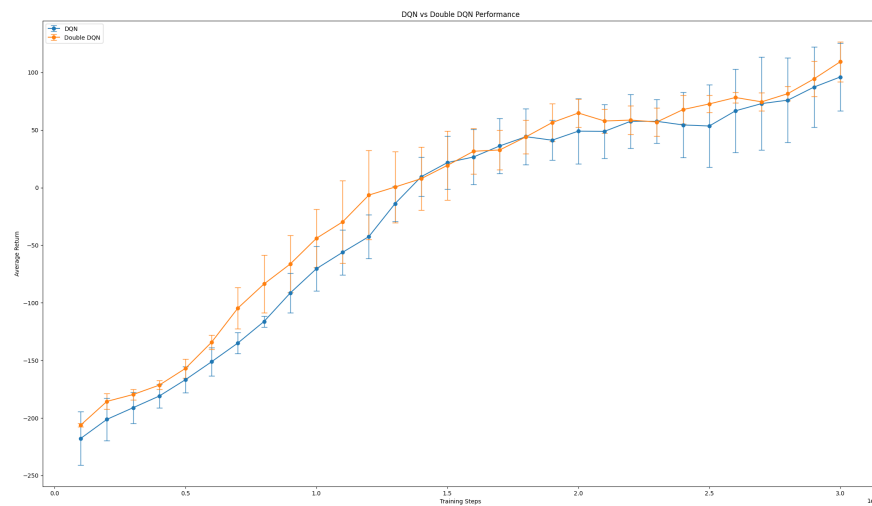
**Andrew ID:** sghatge

**Collaborators:** Write the Andrew IDs of your collaborators here (if any).

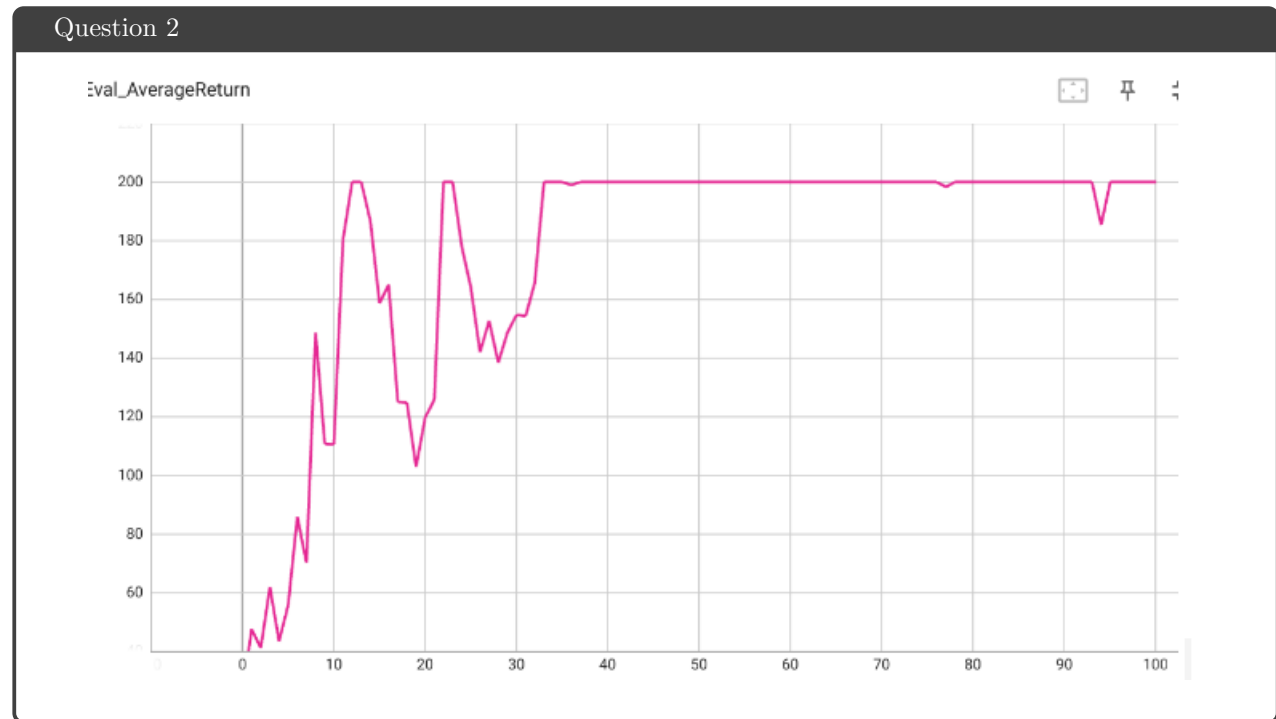
**NOTE:** Please do NOT change the sizes of the answer blocks or plots.

### 1 Question 1: DQN and DDQN (LunarLander-v3)- [50 points]

#### Question 1



## 2 Question 2: Actor-Critic (CartPole-v0) - [25 points]



## 3 Question 3: Actor-Critic (InvertedPendulum-v2) - [25 points]

