

Assignment 3: Q-Learning and Actor-Critic Algorithms

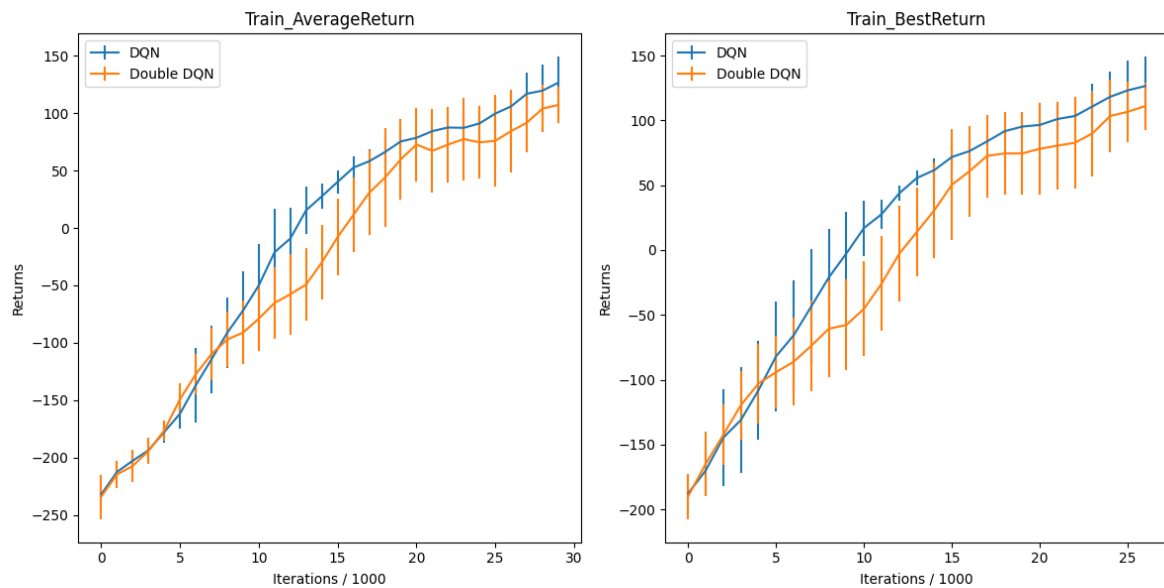
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NOTE: Please do NOT change the sizes of the answer blocks or plots.

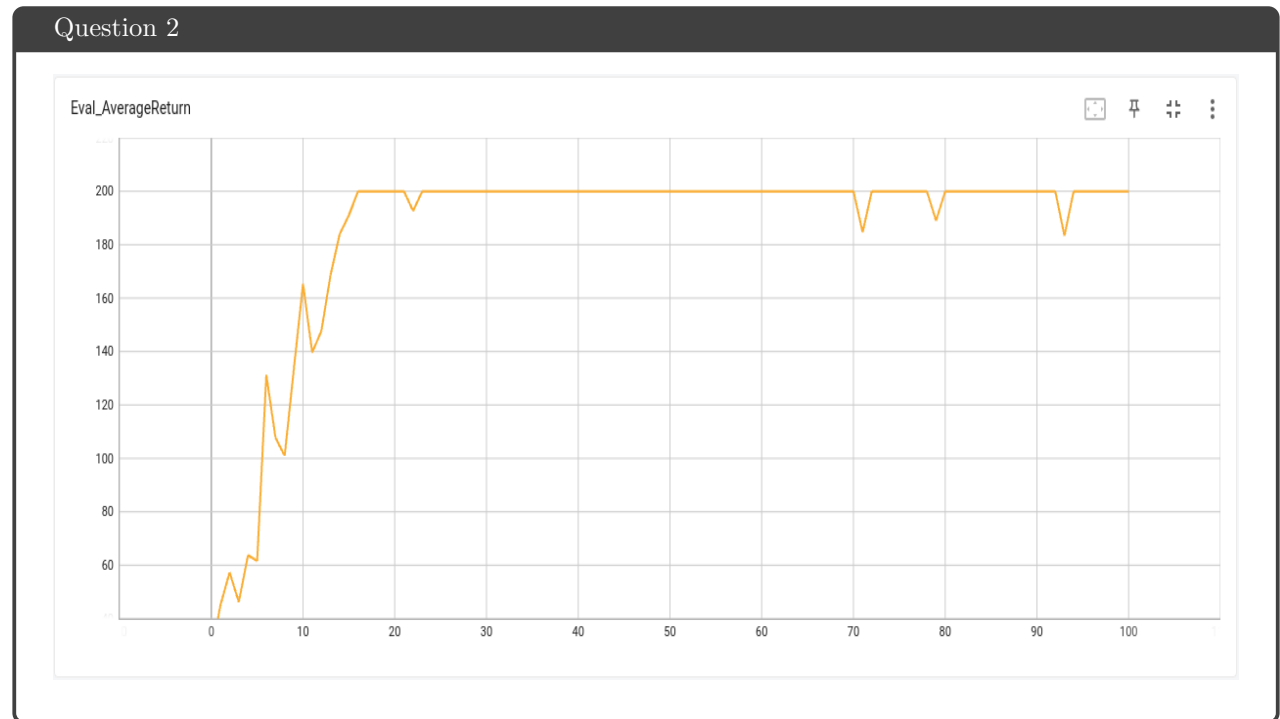
1 Question 1: DQN and DDQN (LunarLander-v3)

Question 1



As shown in the figure above, the Double DQN shows characteristically comparable performance with less of an overestimation problem in estimating the returns.

2 Question 2: Actor-Critic (CartPole-v0)



3 Question 3: Actor-Critic (InvertedPendulum-v2)

