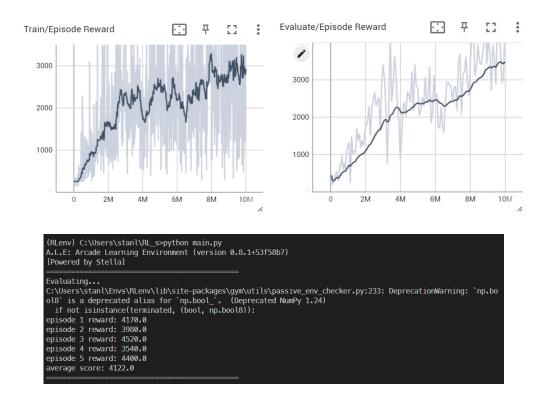
RL lab2

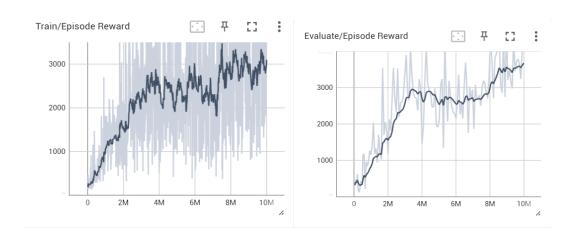
Experiment Result

DQN



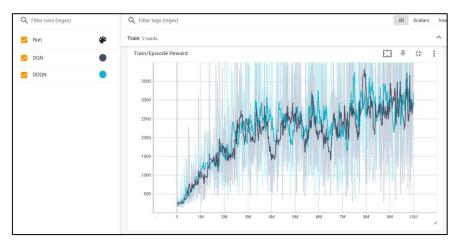
Experiment Result & Discussion (Bonus)

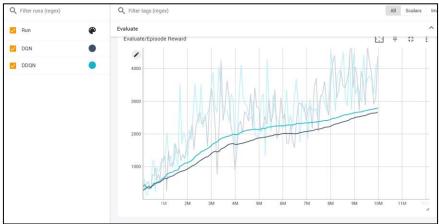
DDQN



DDQN & DQN comparison

The training curves are similar, and the evaluate rewards are a little of DDQN is slightly better than DQN (I set the eval_epsilon to 0). My result show no obvious difference between DQN and DDQN because I only trained 10M for each algorithm, and it seems that the reward for DQN is still increasing. Maybe if I train to 20M for both algorithms, where the overestimating issue occurs in DQN, the reward of DQN model will start to increase at some point, and the DDQN model will increase steadily.





Enduro (DQN)

