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DISCUSS ON STUDENT HUB

## Navigation

REVIEW	CODE REVIEW	HISTORY	
Meets Specifications			
Congratulations in meeting the specifications of the project! This I hope that you're enjoying this nanodegree and excited to move	project had discrete action space. Next, you will work with continuous action control spa ahead! Good luck!	ace of the environment.	
Training Code			
The repository (or zip file) includes function	al, well-documented, and organized code for training the agent.		
add hyper-parameters arguments by the use argparse https://www.youtube.com/watch?v=	and run it as a program from the command line terminal. From my experience, jupyter of the argparser in order to easily tune the values of the hyper-parameters through cor ratuals/xV/QE ch.com/2018/03/12/python-argparse-command-line-arguments/		
The code is written in PyTorch and Python 3			
Pytorch is a dynamic computationally while to computational graph to run the tensorflow se performs better than the tensorflow eager ex https://medium.com/@yaroslavvb/tensorflow	ensorflow has been static. But recently tensorflow has been updated with eager executive sessions. All the deep learning frameworks are turning into the same page. However Pyco ecution for rapid prototyping as Pytorch is easier to read and understand than Tensorfl rmeets-pytorch-with-eager-mode-714cce161e6c.)	orch is still Udacity's favorite because Pytorch	
There's a Pytorch Udacity course that you ma	y want to check out https://www.udacity.com/course/deep-learning-pytorch-ud188		
The submission includes the saved model w			
Saved model weights enable to run the agent	during inference without re-training.		
README			
The GitHub (or zip file) submission includes	a README.md file in the root of the repository.		
de			
The README describes the the project envir	The README describes the the project environment details (i.e., the state and action spaces, and when the environment is considered solved).		
You should state whether the action space is	discrete (and not continuous) as it is important to choose the learning algorithm depend	ding on it.	
The README has instructions for installing	The README has instructions for installing dependencies or downloading needed files.		
These steps will help anyone who is intereste say after a year or so and may forget these st	d in running your project. It is also important to document all these steps if you want to eps if these are not documented.	re-run your codes again in the later time let's	
The README describes how to run the code	in the repository, to train the agent. For additional resources on creating READMEs of	or using Markdown, see here and here.	
	you to write a blog post on this project like on Medium https://medium.com/ which is e tips given in this review. :D This is a great way to contribute to the AI community by sha		
Report			
	the GitHub repository or zip file (one of Report.md , Report.ipynb , or Report.pdf ) th	at provides a description of the	
implementation.			
	hm, how these work and the architectures of DQN where experience replay and separa here overview of Q-learning is given out. Q-table is also given out ue=94&v=WOgdnzzhSLM	te ineu q-talget network are also being used.	
	orithm, along with the chosen hyperparameters. It also describes the model architec	ctures for any neural networks.	
	illustrate that the agent is able to receive an average reward (over 100 episodes) of a	nt least +13. The submission reports the	
number of episodes needed to solve the en	vironment. I can further average the rewards over the multiple runs like 100 or 50 to smooth out th	ne fluctuations of the rewards over the	
episodes. You can also perform moving avera /basics/moving.aspx	ge technique to smooth out any fluctuations in the reward plot. You can read about it h average smoothing https://stackoverflow.com/questions/13728392/moving-average-or-	ere https://www.dallasfed.org/research	
The submission has concrete future ideas for	or improving the agent's performance.		
	d suggest you to try out Double DQN and Dueling architecture.	out the difference between DON and Double	
DQN here https://datascience.stackexchange description of Double DQN https://jaromiru.c Here's the nice description of benefit for usin	hich the target network have to choose the greedy action given by local network. Check comquestions/32246c/learning-target-network-vs-double-dqn and also in the Udacity om/2016/11/07/lets-make-a-dqn-double-learning-and-prioritized-experience-replay/ g Dueling DQN https://www.quora.com/Why-does-a-dueling-network-for-deep-reinforce	lesson given in the classroom. Here's the ement-learning-work The advantage of the	
- this contrasts with the updates in a single-s	learn the state-value function efficiently. With every update of the Q values in the duelir ream architecture where only the value for one of the actions is updated, the values for n our approach allocates more resources to V , and thus allows for better approximatio	all other actions remain untouched. This	

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