Project: Continuous Control

Submission Results

Submission Date: March 18, 2020

Submission Passed

Download Submission

Feedback Details

Specification Review Code Review

Reviewer Note

Dear Udacian, the project is very well implemented and meets the specifications! Congratulations on successfully completing the project. As a next step, please go through the resource: **human-like robot hand trained to manipulate physical objects with unprecedented dexterity.**

All the best! 😁

Training Code

Training Code

Reviewer Note

The repository contains jupyter notebook, code files, readme, and project report. The code is functional. Great job solving the environment using Deep Deterministic Policy Gradients.

The repository includes functional, well-documented, and organized code for training the agent.

Saved Model Weights

Framework

README

`README.md`

Getting Started

Instructions

Project Details

Reviewer Note

Awesome work providing the project environment details in the README. State space, action space, reward function and when the environment is considered solved is specified very informatively.

The README describes the the project environment details (i.e., the state and action spaces, and when the environment is considered solved).

Report

Report

Plot of Rewards

Learning Algorithm

Reviewer Note

The report is rather informative providing an insight on every aspect of the project which includes Implementation, model architectures, hyperparameters, rewards, future works.

- Good choice to implement the DDPG algorithm.
- It is found to work very well with continuous action space

- Good Implementation of the Actor and Critic networks.
- Good decision to use replay buffer to store and recall experience tuples.
- Good job using the target networks for Actor and Critic, as suggested in the original paper.
- Good choice to use tau to update the target network.

The report clearly describes the learning algorithm, along with the chosen hyperparameters. It also describes the model architectures for any neural networks.

Ideas for Future Work