Tsinghua 2018 Deep Learning Summer School Deep Reinforcement Learning Tutorials

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1 Environments

OpenAI Gym is a benchmark of deep reinforcement learning. We have installed it on each of the nodes.

For more details, see document at https://gym.openai.com/docs/

Notice: After training, you can render on the server to see the result.

2 Deep Reinforcement Learning Libraries

You can find two deep reinforcement learning libraries, tianshou and tensorforce in your root directory. Install either of the library by

```
cd PATH/TO/LIBRARY
pip install .
```

See tianshou's document at http://ml.cs.tsinghua.edu.cn/ haosheng/tianshou/ and tensorforce's document at http://tensorforce.readthedocs.io/en/latest/

3 Exercise

Implement one of the baseline methods:

- Deep Q-learning

- Proximal Policy Optimization

with either of library on some OpenAI Gym environments.