Deep Reinforcement Learning and Hierarchical Reinforcement Learning

Good Curriculum here:

<https://medium.com/@yuxili/resources-for-deep-reinforcement-learning-a5fdf2dc730f>

RL

Deep Learning

Hierarchical RL

*Perspective*

* Read Introduction to RL by Barto and Sutton
* Read Deep Learning by Goodfellow, Bengio, and Courville
* Read Deep RL Hands-On by Maxim Lapan
* Read The Master Algorithm by Peter Domingos
* Implement Tabular Sarsa and Sarsa(Lambda) with Fourier Basis Functions
* Implement A2C (Actor-Critic)
* Implement DQN (Deep Q-Network)
* Watch course: Hierarchical RL – IIT Madras
* Watch course: Advanced Deep Reinforcement Learning – DeepMind UCL
* Watch course: RL by David Silver - UCL
* Watch course: DRL Bootcamp – UC Berkeley
* Watch course: DL/RL – CIFAR Vector Institute
* Watch course: Sergey Levine, UC Berkeley CS 294:
* Watch course: Deep Learning: Andrew Ng
* *Watch course: Artificial General Intelligence -MIT*
* Read papers:
  + Mastering the game of go
  + Atari with DQN
  + Option-Critic Network
  + Meta-Learning Shared Hierarchy
  + Exploration by Random Network Distillation
  + Differentiable Neural Computers
* Implement: