Theoretical Reinforcement Learning Notes

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Please email me at kriskongloveyou@gmail.com if you find any typos or errors. I do appreciate it!



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Abstract

A kind reminder: This notes are mainly for reinforcement learning (RL) researchers who want to have a deep understanding in some basic RL concepts and related topics from a theoretical perspective. For those novices in this area, I recommend you read Csaba Szepesvári's RL book (2010) (about 100 pages) or the most famous RL book (2018) (about 500 pages) by Richard S. Sutton and Andrew G. Barto before you read my notes. Of course, you can also take my note as your first RL book and take the two books I mentioned above as references if you have a strong math background.

To my mum	Jing Liang	and my dad forever love!	Kuang	with my

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Reinforcement Learning Fundamentals

Chapter 2

Action-Value Estimation

Chapter 3 Policy Gradient

Appendix A Appendix Title

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