Reinformcement Learning Theory Learning

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Abstract

a simple note for RL theroy

Keywords:

1. Introduction

RL theory is very long history and these days

- Bullet point one
- Bullet point two
- 1. Numbered list item one
- 2. Numbered list item two

2. Notation and Formatting

some notations:

${\cal S}$	the state space
S_t	the state at time t, stochastic
s_t	the state at time t, actual
s	the state, actual
R_t	the reward at time t, stochastic
r_t	the reward at time t, actual
r	the reward, actual

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table 1: Table caption

2.1. Subsection Two

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Figure 1: Figure caption

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$$e = mc^2 (1)$$

3. RL algorithms

4. RL convergence theory

4.1. counterexample [1]

References

[1] R. S. Sutton, A. G. Barto, Reinforcement learning: An introduction, 2011.