

02

Monday
CSE 478TOPICS IN MACHINE LEARNING

Week 27

183-182

9 TAUGHT BY

- 10 • prof. naresh manwani

11

COURSE TOPICS

12

- introduction to reinforcement learning

1

- markov decision processes

2

- dynamic programming

3

- monte carlo methods

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- temporal difference (TD) learning

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- SARSA

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- Q-learning

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- double Q-learning

- n-step TD

- eligibility traces

- value-function approximation methods

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4.8.2020
2

JULY

03

Tuesday

2018

Week 27

184-181

- deep Q-learning
- policy gradient methods
- actor-critic methods
- natural policy gradient
- deterministic policy gradient (DPG)
- deep deterministic policy gradient (DDPG)
- partially observed markov decision processes (POMDP)

TEXTBOOKS

1. reinforcement learning: an introduction; sutton. (2016)
2. statistical reinforcement learning: modern machine learning approaches; sugiyama.
3. markov decision processes: discrete stochastic dynamic programming; puterman.

AUGUST

AUG
2018

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