

Three common reinforcement learning tricks: when and why do they work

Professor Niao He

ETH Zurich

Monday 15 November 2021

2pm

Via Microsoft Teams

Abstract:

Reinforcement learning has achieved remarkable breakthroughs recently for outperforming humans in many challenging tasks. Behind the scenes lies in the integration of various algorithmic techniques: neural function approximation, double learning, entropy regularization, etc. This talk will unveil some of the mysteries behind these techniques from theoretical perspectives, by understanding the asymptotic and finite-time behaviors of the algorithm dynamics.