IST AUSTRIA
Institute of Science and Technology

CS Talk Series

Looking at transfer in reinforcement learning settings

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Deep Reinforcement Learning, while providing some impressive results (e.g. on Atari, Go, etc.), is notoriously data inefficient. This is partially due to the function approximators used (deep networks) but also due to the weak learning signal (based on observing rewards). In this talk we will discuss the role of transfer learning to help making DRL more data efficient. In particular I will focus on how different formulation of KL-regularized RL can provide more systematic exploration of the environment and hence a more reliable learning signal. If time allows, we will quickly cover three related recent works https://arxiv.org/abs/1707.04175, https://arxiv.org/abs/1806.01780 and recent work on information asymmetry in KL-regularized settings.

Thursday, February 7, 2019 04:30pm - 05:30pm

IST Austria Campus Mondi Seminar Room 2, Central Building

This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: https://ist.ac.at/en/campus/how-to-get-here/ The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.