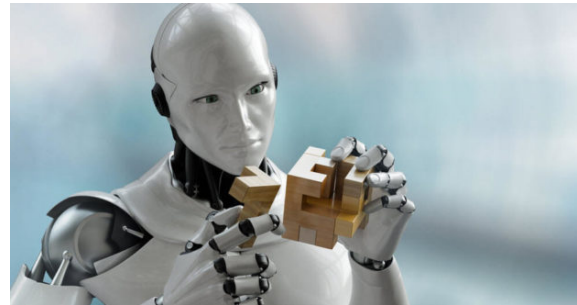




Teaching Machines Curiosity

As soon as kids are old enough to formulate questions they start to ask hundreds of questions every day, exploring and trying to understand the world they live in. This curiosity is what drives our mental development. We end up with a machinery, the brain, that is capable of handling daily tasks with ease and can adapt to new situations quickly.



In this thesis you will research how to integrate curiosity mechanisms into deep reinforcement learning algorithms. Topics addressed can include the exploration/exploitation dilemma, the construction of knowledge representations, model generation and knowledge transfer.

Requirements: Knowledge in Machine and Deep Learning. Implementation experience is an advantage.

Interested? Please contact us for more details!

Contacts

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