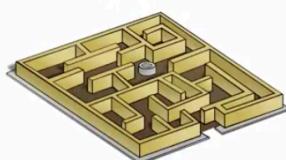


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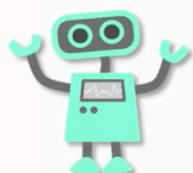
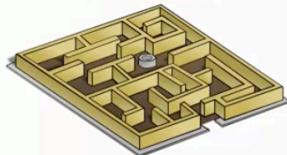
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Environment



What Is Reinforcement Learning?

Environment



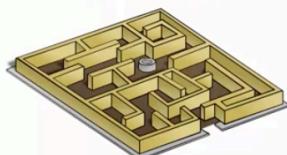
Agent

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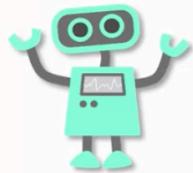
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Environment



Action

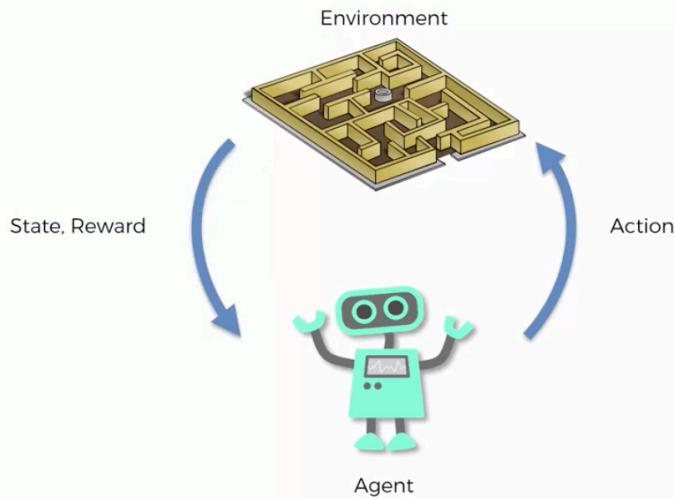


Agent

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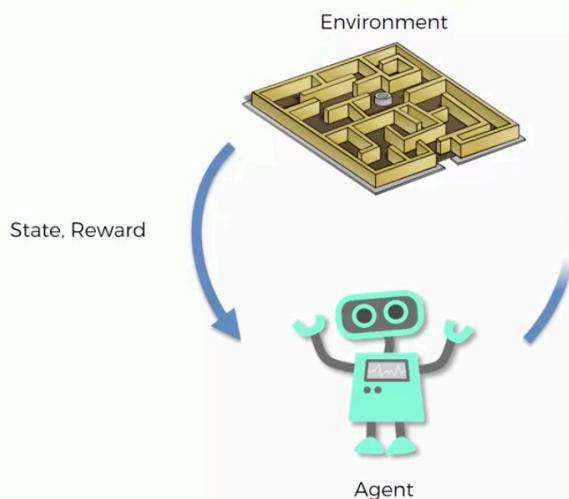
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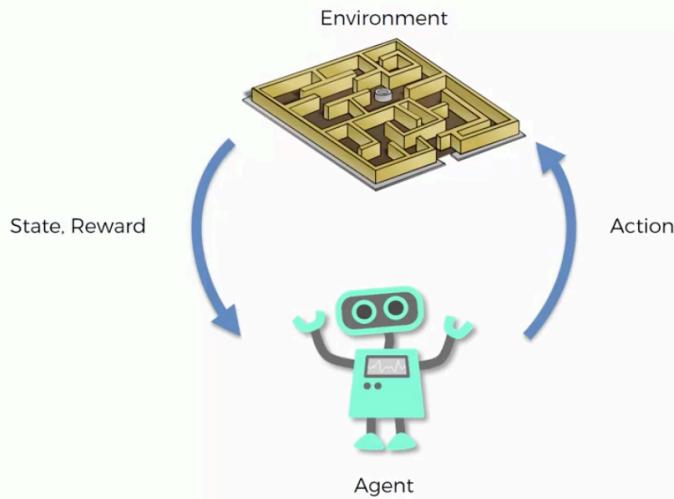
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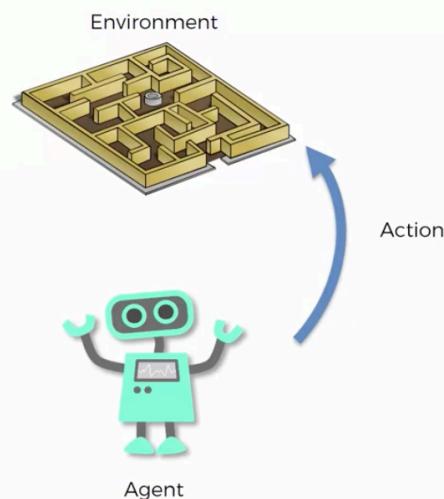
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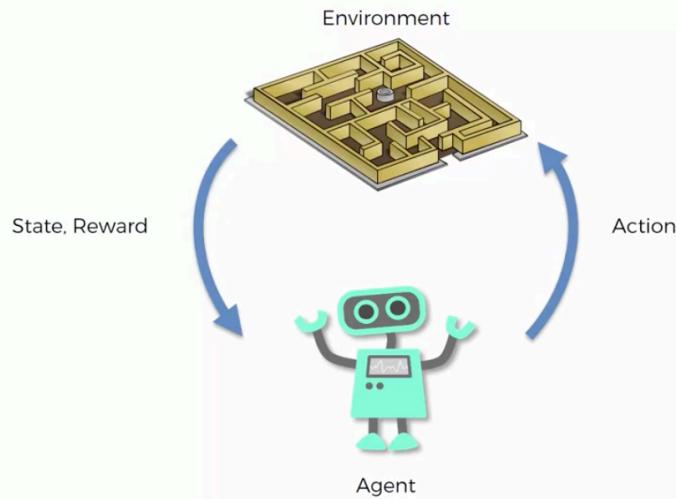
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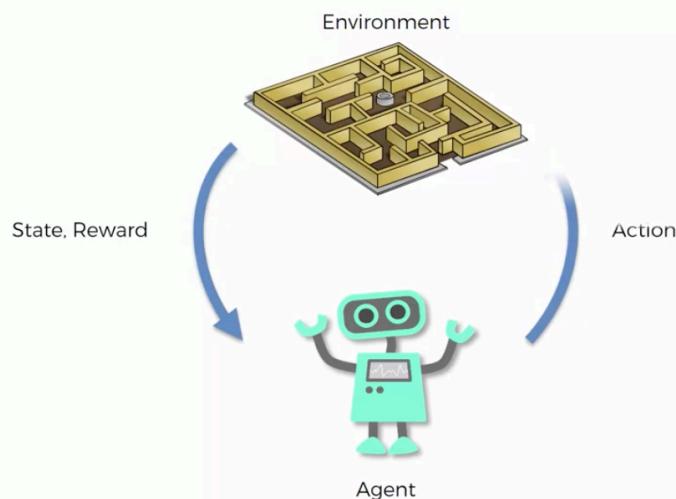
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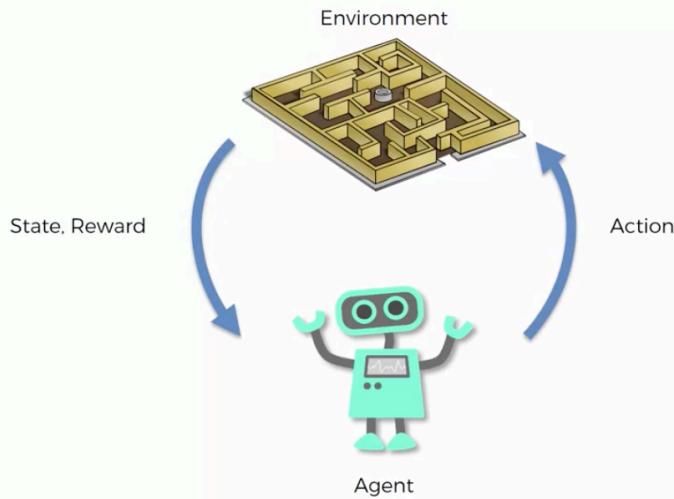
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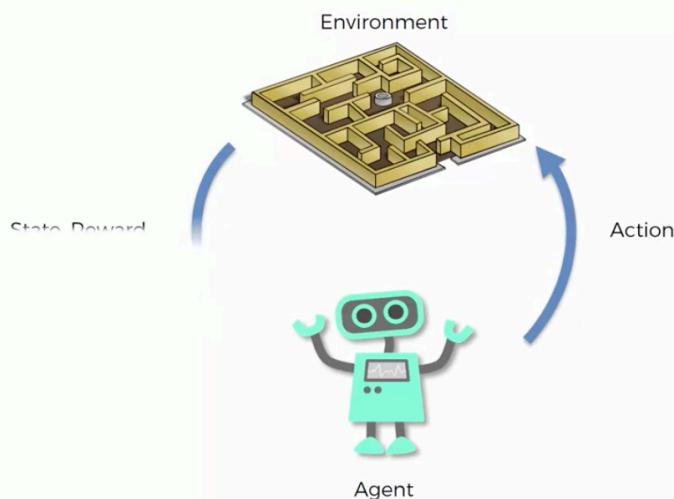
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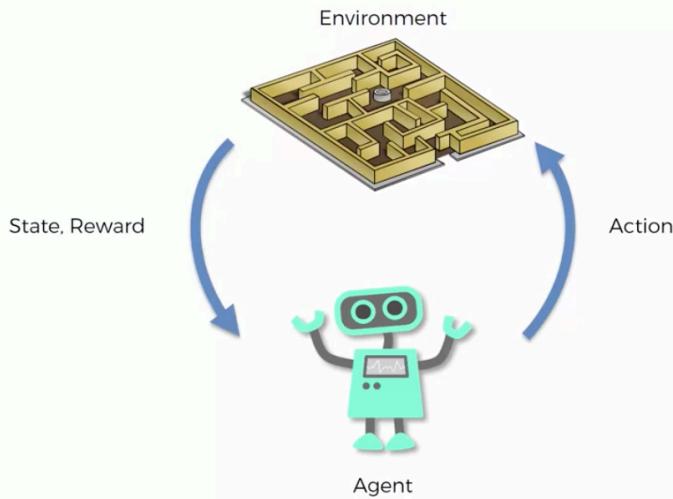
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remember actions should be taken at a correct time and not too soon or too late.

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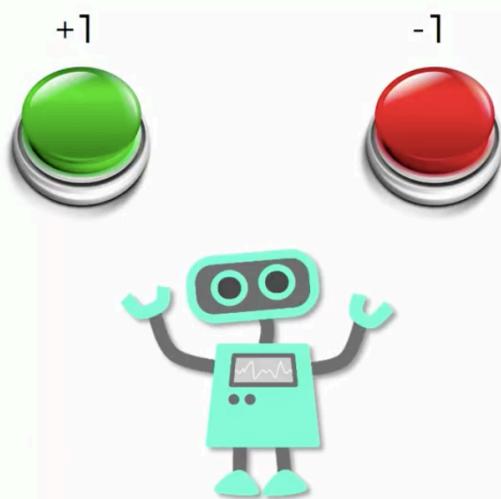


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This is exactly like training a dog in which you give command to it and if he do it right you will give him a reward. And if he doesn't do it you will punish him by saying he is a bad dog. Through that process he learns what actions does he need to do in a certain state. States are the commands that you are giving it and based on that it will get reward.

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reward in AI is digital.

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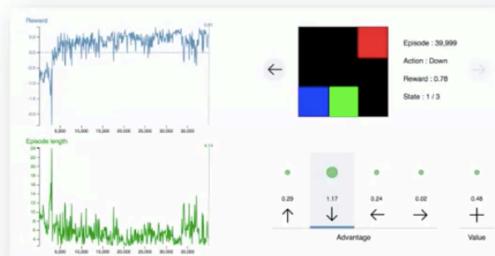
Pre-programmed agents Vs. reinforcement learning agent

Additional Reading

Additional Reading:

Simple Reinforcement Learning with Tensorflow (10 Parts)

By Arthur Juliani (2016)



Link:

<https://medium.com/emergent-future/simple-reinforcement-learning-with-tensorflow-part-0-q-learning-with-tables-and-neural-networks-d195264329d0>

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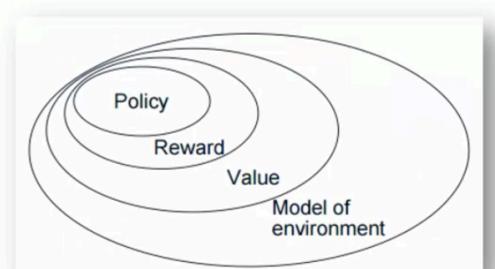
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Additional Reading

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Reinforcement Learning I: Introduction

By Richard Sutton et al. (1998)



Link:

<http://citeseer.ist.psu.edu/viewdoc/summary?doi=10.1.1.32.7692>

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