

EdX and its Members use cookies and other tracking technologies for performance, analytics, and marketing purposes. By using this website, you accept this use. Learn more about these technologies in the [Privacy Policy](#).



[Unit 5 Reinforcement Learning \(2 weeks\)](#)

[Lecture 17. Reinforcement Learning](#)
> [1](#)

2. Learning to Control: Introduction
> to Reinforcement Learning

2. Learning to Control: Introduction to Reinforcement Learning

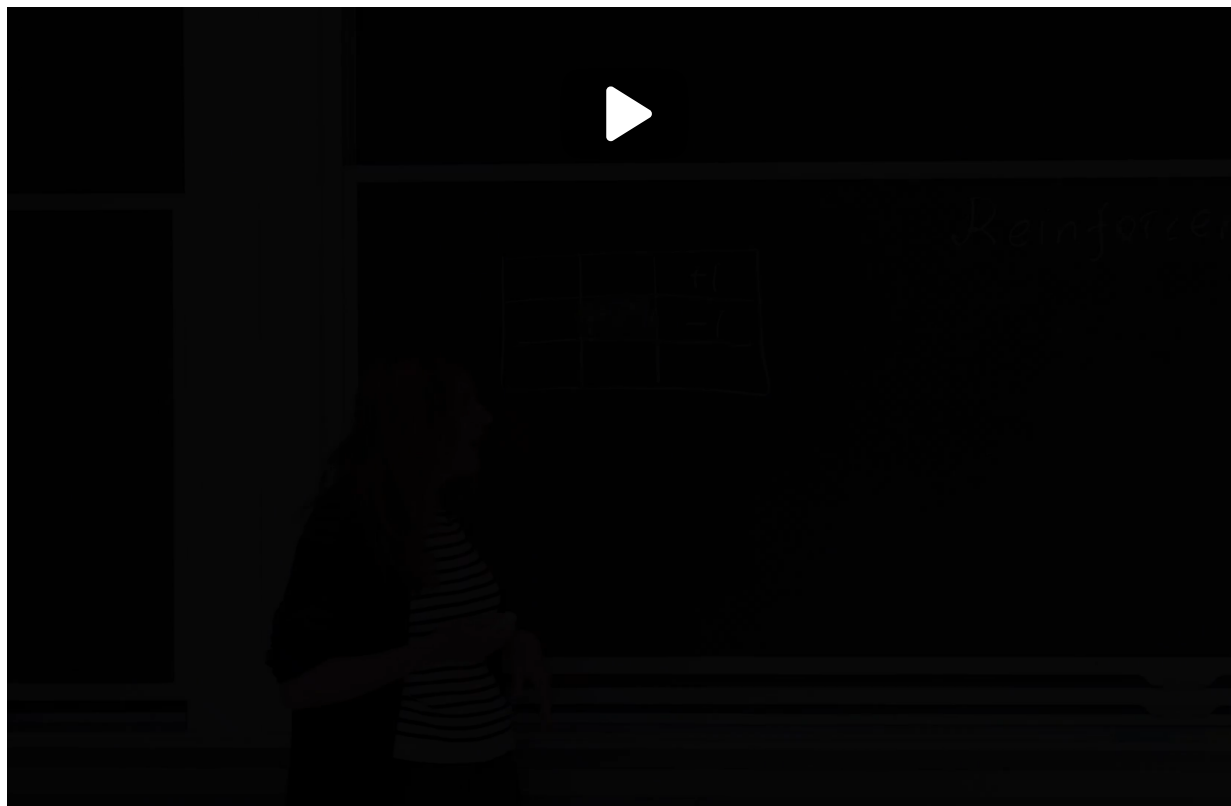
Learning to Control: Introduction Reinforcement Learning (RL)

And if the robot did the good job,
it would eventually end up here and get
reward plus 1.

And if the robot fail--
not fail, but if the robot end up here,
it's going to get a negative reward or
punishment, OK?

So your goal is to kind of find to find a
strategy

to get to this particular place where
you're getting all the rewards.



[End of transcript. Skip to the start.](#)



Video

[Download video file](#)

Transcripts

[Download SubRip \(.srt\) file](#)

[Download Text \(.txt\) file](#)

Objectives of RL

1/1 point (graded)

Select one or more of the statements that are true about Reinforcement Learning (RL) from the options below:

☐ The goal of RL is to minimize the loss between predictions and labels for points in a labelled training dataset

☒ The goal of RL is to learn a good policy with none or limited supervision ✓

☐ For an RL algorithm to work, it must receive a non-zero reward after every step

☐ RL works by maximizing the reward for each immediate next step



Solution:

- Unlike with Supervised Learning, there would typically be no labelled training dataset associated with Reinforcement Learning tasks. RL algorithms learn to pick "good" actions based on the rewards that they receive during training.
- RL is most applicable to tasks where there is no clear cut supervised training data available.

Reinforcement learning algorithms can learn to take actions so as to maximize some notion of a cumulative reward instead of the reward for the next step and they can take "good" actions even without any intermediate rewards.

Submit

You have used 2 of 2 attempts

 Answers are displayed within the problem

Discussion

[Hide Discussion](#)

Topic: Unit 5 Reinforcement Learning (2 weeks) :Lecture 17. Reinforcement Learning 1 / 2.
Learning to Control: Introduction to Reinforcement Learning

[Add a Post](#)

Show all posts ▼

by recent activity ▼

There are no posts in this topic yet.

✕

© All Rights Reserved