

Robot Learning

Assignment 9

Due Tuesday, July 18th, before class.

9.1) Read the article

Yan Duan, Marcin Andrychowicz, Bradley C. Stadie, Jonathan Ho, Jonas Schneider, Ilya Sutskever, Pieter Abbeel, Wojciech Zaremba:
One-Shot Imitation Learning.

<https://arxiv.org/abs/1703.07326>.

Describe in your own words:

- | | |
|--|----------|
| a) What kind of information is required from the demonstrator? | 4 points |
| b) How are actions generated? | 4 points |
| c) Which parameters are adjusted by learning? | 4 points |
| d) How can demonstrations be transferred to novel situations? | 4 points |
| e) What is the role of the attention mechanisms? | 4 points |