

Introduction to Artificial Intelligence

Summer 2022

Exercise 6: Reinforcement Learning

Consultations: Online

Assessment: 7 days from Publishing (Room No. 009)

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Exercise should be done in pairs.

1. Exercise details

Set up an environment using openAI gym for 'CarRacing-v0'. Train your model with any algorithm with varying policies and compare the results. Save your pretrained model and Evaluated the results.

Delivered solutions will be assessed by results of chosen models and correctness of research methods.

- 1) Interpretation of achieved results and final conclusions will also be assessed.
- 2) Remember to adhere to basic standards of clean coding.

2. Technical details

- a. The preferred language to write your solutions is Python.

3. Handing-in guidelines

- a. A brief report with methods comparison should be sent to my e-mail before the classes. Please include "[EARIN] Exercise 6" in the title, and do not forget about adding names and emails of both team members in the e-mail content.
- b. You may get 0-7 pts for this assignment.