



Reinforcement Learning Virtual School 2021

Schedule overview

Interacting in class

- Class material on <https://rl-vs.github.io/rlvs2021/>
- Notebooks, videos, polls, extra documents
- Speaker → audience: polls
Audience → speaker: zoom Q&A

Technical recommendations

- Keep an eye on class pages for fresh material
- Install Python 3, Jupyter notebook
- Interact via the Matrix server, the Zoom Q&A and the polls
- Run notebooks on <https://colab.research.google.com> (or an equivalent)
Use the “open in colab” browser extensions

Schedule overview

March 25th:

classes: RL fundamentals + DL

keynotes: Cognitive biases + Hierarchical RL

March 26th:

classes: managing the exploration vs. exploitation tradeoff

keynote: application to clinical trials design

April 1st:

classes: Deep neural networks as function approximators in RL

keynote: Regularization in RL

April 2nd:

classes: Gradient-based policy search + exploration/exploitation in Deep RL

April 8th:

classes: evolutionary RL + micro-data policy search

keynotes: neuroevolution + application to robotics

April 9th:

classes: practical RL

keynotes: symbolic RL + model learning for extreme generalization