Human Reinforcement Learning

Summer 2019

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Organization of Class

- Lectures: Tuesday, 11:15-12:45, INF 327 / SR 4
- Exercises: Thursday, 14:15-15:45, INF 327 / SR 4
- Interactive sessions: Computerpool IWR (to be announced)
- Lectures, exercises, etc. will be posted and updated on http://www.cl.uni-heidelberg.de/courses/ss19/HRL/material/
Assessment

▶ Exercises

▶ Interactive sessions

▶ Term project
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  ▶ jupyter notebooks
  ▶ slot filling code for implementation of basic RL algorithms
  ▶ **Your task:** email solution of exercise N by Monday 23:59pm before lecture N+1

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- Interactive sessions
  - Interactive seq2seq learning for speech translation task
  - Neural MT learns from human feedback (postedit, markings)
  - **Your task:** attend sessions, give feedback, participate in human evaluation of results

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  ▶ Choose a paper for presentation
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▶ All tasks count for final grade!
Textbooks


  - [https://sites.ualberta.ca/~szepesva/RLBook.html](https://sites.ualberta.ca/~szepesva/RLBook.html)

  - = another name for deep reinforcement learning, contains all proofs, analog version can be ordered at [http://www.athenasc.com/ndpbook.html](http://www.athenasc.com/ndpbook.html)