Deep Learning Programming Tutorial

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Universität Konstanz, 18.04.2018

Framework

Deep Learning Course Dilemma

- Many students
- Programming heavy
- Individual submissions

(Semi-) automated submission checking...

Framework

GitLab @ UniKN

- Hosted on BWgrid, usable via Shibboleth with Uni KN accounts.
- Provides `CI` runners as a *courtesy*, which are too weak for our purposes.
- We provide a queued `CI` runner on `merkur08`!

Upstream repository: git.uni-konstanz.de/oliver.wiedemann/dlp

GitLab

Framework

Setup

Details: See the *README* in the repository. Short version:

- Fork the repository
- Set permissions correctly so that
    - It is only visible to members.
    - We can assign a `CI` runner to your repo (Master permissions).
- Track the upstream repository.
- Disclaimer: `git` can be a bit tricky in the beginning.
  Double-check your submission is in the correct place!

Framework

Python

Again: See the *README* in the repository. Short version:

- Create and activate a `virtualenv`
- `cd` to the current exercise directory.
- Run `jupyter-notebook`, work on the tasks.

Final Projects

- Your concerns regarding pay2win scheme are valid.

- We will pick the dataset according to:
    - How many groups register for the final project.
    - How long our example solution runs on the same hardware.
    - You'll get n times as much resources.

Grade Computation

- As presented in the lecture:
    - Presentation: 20% (individual)
    - Exercise: 20% (individual)
    - Technical report: 20% (teamwise)
    - Evaluation: 40% (teamwise)

- Proposal:
    - Presentation: 30% (individual)
    - Technical report: 30% (teamwise)
    - Evaluation: 40% (teamwise)

    - + mandatory 50% of exercise points,
      bonus of 0.3 for >80% on individual final grades.

Outlook

- Today: Release of "exercise" 00

- 23. April, Monday: Release of exercise 01
- 25. April, Wednesday:
    - Working out remaining problems with the submission system
    - Questions regarding exercise 01

- 29. April, Sunday 12:00pm: Deadline for exercise 01.