

MACHINE LEARNING

Organisation of exercises

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Dates

- June 24th: practical exercise presentation I
- June 26th: exercise theory: Neural Networks, Generalisation
- July 15th: practical exercise discussion
- July 17th: exercise theory: Parameter optimisation
- July 29th: exercise theory: Probabilistic models, wrap up
- July 31st: practical exercise final presentations

Practical Exercises

- pre task and main task
- groups with 3 people, separated groups for bachelor/ master
- send email (one per group) with names to Manuel Blum, mblum@informatik.uni-freiburg.de
- 2 presentations: pre task and main task
- send slides to Manuel Blum
- exam: relevant part of exam is based on practical exercise experience
- oral exam (bachelors): group examination of exercise groups

The task

Proposed main task:

MNIST, see <http://yann.lecun.com/exdb/mnist/>

Alternatively, own projects can be defined, but please check with us before starting.