

Introduction to high performance Machine Learning

- 27 / 28 June 2022
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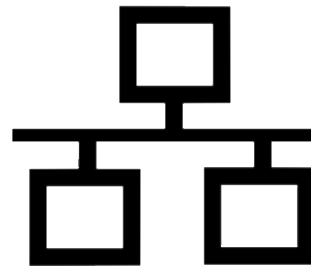
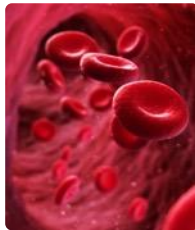
About PRACE

Prace: partnership for Advanced Computing in Europe

- Aims to enable high-impact scientific discovery and engineering research and development across all disciplines to enhance European competitiveness for the benefit of society
- 26 Member countries
- Missions:
 - Research infrastructure
 - HPC access
 - Training and Education
 - Mark Surveillance

About SURF

Collaborative organization for ICT in Dutch education and research



Course plan until lunch

- 9:00 – 9:15 Welcome
- 9:00 – 10:00 Introduction ML & DL, basic principles
- 10:00 – 10:20 Introduction to PyTorch
- 10:20 – 11:00 Hands-on 1: fully connected network
- 11:00 – 11:15 Coffee break
- 11:15 – 11:30 Recap hands-on
- 11:30 – 12:30 CNN theory
- 12:30 – 13:30 Lunch break

Course plan until lunch

- 12:30 – 13:30 Lunch break
- 13:30 – 14:30 Hands-on 2: CNN
- 14:30 – 14:45 Recap hands-on
- 14:45 – 15:00 Coffee Break
- 15:00 – 15:45 VAE theory
- 15:45 – 16:30 Hands-on 3: VAE, 'demo' notebook
- 16:30 – 17:00 Questions & wrap-up day 1

Course plan until lunch

- 12:05 – 13:15 Lunch break
- 13:15 – 14:15 CNN theory
- 14:15 – 15:15 Hands-on 2: CNN
- 15:15 – 15:30 Coffee Break
- 15:30 – 15:45 Recap hands-on 2
- 15:45 – 16:30 VAE theory
- 16:30 – 17:00 Hands-on 3: VAE, 'demo' notebook / Questions & wrap-up day 1

Received logins?

- If not, contact me on chat, we'll figure it out

Polls!