

# Advanced Machine Learning

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*To know, read; to learn, write; to master, teach.*

(Hindu proverb)

# Logistics

This course is given by:

- Prof. Pierre Geurts ([p.geurts@uliege.be](mailto:p.geurts@uliege.be))
- Prof. Gilles Louppe ([g.louppe@uliege.be](mailto:g.louppe@uliege.be))
- Researchers from the department
- ... and you!



# Lectures

- This course is organized as a **journal club**.
- Reading and presentation of recent machine learning research papers.
- Every week, one of us will:
  - select a research paper,
  - introduce the necessary background,
  - present the paper,
  - discuss and criticize its content.
- Goal: training for research and development in machine learning.

# Materials

Papers and slides are available at [github.com/glouppe/info8004-advanced-machine-learning](https://github.com/glouppe/info8004-advanced-machine-learning).

- In HTML and in PDFs.
- Posted online the day before the lesson (hopefully).

# Outline

(Tentative and subject to change!)

- Lecture 1: TBD.

# Reading and presentation assignment

- Read a selected machine learning paper.
- Prepare a 1-hour lecture, covering the necessary background and discussing the paper.
- Short summary report.

More details to be announced later.

# Evaluation

- Exam (60%)
- Reading and presentation assignment (40%)



