Intelligente Datenanalyse
Intelligent Data Analysis

Tobias Scheffer, Gerrit Gruben, Nuno Marquez
Organization

- English and German lecture videos:
  - Watch them in the privacy of your own house.
  - This term, there is no live lecture, go watch the video!
  - Write down any question that you have!

- Q&A: ask all your questions!
  - Every Monday, 10:15-11:45, 3.06.H01
  - You **have to** watch the lecture video beforehand!

- Labs and exercises (mandatory):
  - English: Tuesday 10:15-11:45, 3.04.1.03
  - Deutsch: Thursday, 10:15-11:45, 3.04.1.03
  - You **have to** complete the homework beforehand!
Modules

- Bachelor Informatik Computational Science
  - Mandatory (Intelligente Datenanalyse)

- Master Cognitive Systems
  - Mandatory

- Master Computational Science
  - Only if you did not take this for Bachelor’s program
  - Maschinelles Lernen / Maschinelles Lernen II
  - IDA in den Naturwissenschaften
Exams

- For Students of all bachelor programs and of the master program Cognitive Systems
  - Successfully complete labs and exercises
  - Written exam (60 minutes) followed by 15 minutes of discussion.

- For Students of all other master programs:
  - Successfully complete labs and exercises
  - Successfully complete semester project
  - 30 minutes presentation of the semester project and oral exam.
Organization

- **Website**: cs.uni-potsdam.de/ml/teaching/ss16/ida.html
  - Slides and lecture videos from Tuesday
  - Introductory mathematics videos and tutorials
  - Homework to be completes for the next lab
This Week

- Today: Lecture “Models, Data, Learning Problems.”
- There will be no lab this Tuesday or Thursday.
- From today: tutorial on statistics and mathematical foundations is online,
  - Recommended for MSc Cognitive Systems.
- From tomorrow: Next lecture “Introduction to Python” is online, first exercise is online.
Next Week

- Monday: Q&A for “Introduction to Python”
- Tuesday and Thursday: First lab “Basic Python”
- From Tuesday: third lecture “Problem Analysis and Data Preprocessing” and corresponding exercise are online.
Literature

- 30 Copies available in the library
- Can also be found online.
Literature

- Kevin Murphy: Machine Learning: a probabilistic perspective
- Can also be found online.