

INTRO TO THE COURSE

ABOUT THE COURSE

- Machine Learning is a very hot topic for Economist and Business majors
- Difficulty of the Course
 - For the course:
 - Matrix Algebra is **not** required and will **not** be used
 - Calculus is **not** required and will **not** be used
 - Programming knowledge is **not** required. The basic R knowledge you need is introduced in class and in the book.
 - Support
 - Everybody can get a good grade! Do the work and ask me for help if needed (I will spend all the time needed with you)
- Materials
 - The book is available for free online: <https://econ.lange-analytics.com/aibook> (user name: aibook, pw: I let you know in class). Shameless self promotion. You can buy the book from Francis & Taylor starting October 2023.
 - Presentation slides are available online at <https://aibookslides.netlivly.app>

HOW TO WORK ON A WEEKLY BASE

- Before class (+/- 0:45h)
 - read related chapter online before class (you can quickly read over the interactive sections)
 - do not use a phone — tablet with decent size is OK
 - if there is something you do not understand (possibly make a note) and keep on reading — no problem
- Do not miss class sessions!
 - in class I walk you through the topics step by step.
 - you can ask questions about each topic you are interested in or you like to get more information.
 - you will do exercises in class and I will help, if you get stuck.
- After class (+/- 1.5h)
 - read the book chapter again
 - read it at a computer with R and RStudio installed
 - follow the interactive exercises in RStudio
 - write down questions you have and ask them next time in class

REWARD/RETURN OF GOOD WORK INSIDE AND OUTSIDE OF CLASS

- Good grade
- You get an understanding of machine learning that enables you:
 - to talk about machine learning algorithms during an interview
 - to use machine learning on your Senior Project/Master Thesis
 - to build on the knowledge from the course by reading more advanced articles and watching videos to become an expert.

YOUR QUESTIONS