

Data Mining and Machine Learning LAB

Academic Year 2024-2025

Alessandro Renda

Misc

- About me
 - Currently, assistant professor at the University of Pisa
 - Member of the [AI group @ Department of Information Engineering](#)
 - PhD in Smart Computing, jointly awarded by University of Pisa, Firenze, Siena
- Website: alerenda.github.io
- Contact: alessandro.renda@unipi.it
- Address: Room 4-002 – Dip. Ing. Inf. – Largo Lucio Lazzarino 1, 56122, Pisa
- Tutoring activity: Monday, 4pm : 6pm, *upon request by email*



Logistics

- **Material:** It will be shared through the dedicated MS Teams - Sharepoint folder
Sign up to the Team: **878II 24/25 - DATA MINING AND MACHINE LEARNING [WAI-LM]**
- **Equipment:** Bring your own PC to the LAB classes: constant practice is warmly encouraged
- **Survey:** Please fill the form available here: <https://forms.office.com/e/NjPS9QLrYw>
 - Also available in MS Team – (LAB channel) dedicated «forms» section



Projects and practical activities

12-CFU (students from **Artificial Intelligence and Data Engineering**)

- Project: design and develop a software application (working prototype) which exploits one or more data mining and machine learning algorithms discussed during the course
- Exam:
 - Project presentation and discussion
 - Oral/ written test on theoretical aspects of the course and final discussion on the answers

6-CFU (students from **Bionics – Banking & Finance – Biotech and AAI4H**)

- Exam:
 - Practical Activity: carry out a complete KDD process on one or more datasets
 - Oral/ written test on theoretical aspects of the course and final discussion on the answers

