

## Course unit: Advanced statistics

- Title in French: Statistiques et apprentissage
- Course code: tba
- ECTS credits: 1
- Teaching hours: 25h
- Type: elective course
- Language of instruction: French
- Responsible: tba
- Instructor(s): Adil Ahidar-Coutrix
- Remark(s): course share with 3rd track DIGITAL.e

### Brief description

This course is an elective course aimed at anyone interested in machine learning. The main statistical tools involved in machine learning are presented.

### Learning outcomes

- Understand the notion of statistical learning
- Discover some of the possible applications

### Course content

1. Introduction: linear regression
2. Non-linear regressions and their theoretical guarantees
3. Unsupervised classification

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