UE Machine learning for environmental sciences

Level
Baccalaureate +5

ECTS
3 credits

Component
UFR PhITEM (physique, ingénierie, terre, environnement, mécanique)

Semester
Automne

> **Teaching language(s):** English

> **Open to exchange students:** Yes

> **Code d'export Apogée:** PAX9EFAN

Presentation

Description

The objective of this course is to provide an introduction to statistical analysis and machine learning in order to help the students apply relevant methods to analyze specific datasets.

Different families of unsupervised and supervised methods will be covered, while also providing a general approach to validate and test results. We illustrate this course with examples from environmental sciences. The datasets correspond to concrete cases of analysis presented in the form of ipython notebook.

Course parts

UE Machine learning for environmental sciences - CMTD   Lectures (CM) & Teaching Unit (UE)   24h

Period : Semester 9

Useful info

Non-contractual information.
Last update on 12 December 2023

Campus

> Grenoble - University campus

Non-contractual information.
Last update on 12 December 2023