

[FRANCAIS] Analyse descriptive et prédictive



ECTS

4 crédits



Hourly volume

56h

Introducing

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

- the different problems associated with data study (in exploratory data analysis and in machine learning)
- the main concepts and algorithms allowing to solve those problems
- the main existing libraries

The student will be able to:

- analyze the requirements of the data processing
- set up the most efficient algorithms
- use the algorithms that are implemented in the main existing libraries
- adapt and develop his/her own algorithms
- analyze and explain the results of those algorithms
- program in Python and R languages

Practical info

Location(s)

 Toulouse

Necessary prerequisites

Algorithms, data structures, computational complexity, programming, optimization, supervised machine learning (basic knowledge), statistics and probability (basic knowledge), programming