IA Frameworks

ECTS
3 crédits

Hourly volume
24h

Introducing

Objectives

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

- Main concept of data labelisation and related tools.
- Main algorithms of natural language processing
- Main concepts of reinforcement learning.
- Main concepts of recommendation system.
- How to access tools to perform efficiently and with enough computation power those algorithms

The student will be able to:

- Organize en data labelisation strategy.
- Handle various types of complex datasets (Image, text, video, notations,...)
- Identify the correct algorithm to solve various problem on these data.
- run these algorithms on the appropriate ressource (cloud machine, container? GPU?)
- Share efficiently the results obtain

Necessary prerequisites

Exploratory Data Analysis
Machine Learning / Deep Learning (MLP, RNN, CNN)
R and Python languages

Practical info

Location(s)

Toulouse