METHODS OF MACHINE LEARNING (METMALE)

THE MODULE

Objectives
Understanding and mastering the main methods of machine learning to analyse health data.

Program
- General theoretical framework for machine learning;
- Support vector machines;
- Tree-based methods, bagging, random forests, boosting;
- Neural networks.

Coordinators* & Instructors
Roch Giorgi*, Imad El Badisy, Oskar Laverny, Quentin Marcou.

Requirements
- Knowledge in probabilities, in descriptive and inferential statistics, in mathematic;
- Basic knowledge of programming (Python and/or R).

PRACTICAL INFORMATION

Course organisation
12 hours of lecture and 9 hours of practical exercises.

Course type
On site & online live course.

Module fees
- individually: 350 €
- institutionally: 1 050 €