

# Statistical learning

## Introduction to Python

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# Organization

- ▶ 10 hours lecture + 20 hours labs : 2 hours per lab
- ▶ 1 report per lab every two weeks
- ▶ Calendar
  1. 28/01 8am, 29/01 1pm
  2. 05/02 1pm
  3. 25/02 8am, 28/02 3pm
  4. 03/03 10am
  5. 11/03 1pm
  6. 17/03 10am
  7. 25/03 1pm
  8. 03/04 3pm
- ▶ Web page :  
<https://kevinzagalo.github.io/teaching/IMC-4302C>

# Introduction to Python

## 1. Scipy lecture notes

- ▶ Numerical calculus and data engineering in Python
- ▶ <http://www.scipy-lectures.org>

## 2. At home :

- ▶ Read *1.1. Python scientific computing ecosystem*
- ▶ Look over the rest

## 3. Today, then at home

- ▶ *1.2. The Python language* : 1.2.1 – 1.2.4
- ▶ *1.3. NumPy : creating and manipulating numerical data*
- ▶ *1.4. Matplotlib : plotting* : 1.4.1 and 1.4.2
- ▶ *1.5. Scipy : high-level scientific computing* : 1.5.1 – 1.5.3, 1.5.6
- ▶ *3.1. Statistics in Python*