

Statistical learning

Introduction to Python

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INRIA

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Organization

- 10 hours lecture + 20 hours labs : 2 hours per lab
- 1 report per lab every two weeks
- Calendar
 - 1 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
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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*