# Machine Learning with Python

Numpy / Matplotlib / Scikit-learn

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#### Setup

On lab machines



Download and extract the Scikit-learn lecture material from:

https://github.com/geektoni/ml\_labs/archive/refs/heads/master.zip

Open the terminal in the folder containing the extracted files and run:

> ./jupyter-scikit.sh

### Setup

On your own machine

Make sure you are using Python 3 for the following steps.

Install Numpy, Scipy, Matplotlib, Scikit-learn and Jupyter:

- > pip install numpy scipy matplotlib sklearn pandas
- > pip install jupyter

Download and extract the material for the Scikit-learn lab:

https://disi.unitn.it/~passerini/teaching/2021-2022/MachineLearning\_AIS/index.html

Open the terminal in the folder containing the extracted files and run:

> jupyter notebook

#### Setup

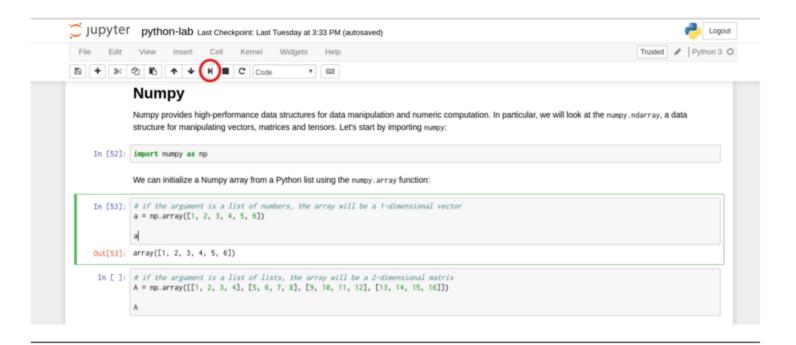
Jupyter notebook

Open the browser at the given address and you'll see something like:



Open the sklearn-lab.ipynb file containing the lecture notebook.

## Jupyter notebook



Execute commands by selecting a cell and clicking the Run button on the header of the page or by **Shift+Enter**. You will see the output of the command just below the cell.

You can tweak and modify the code as you wish and execute it again.