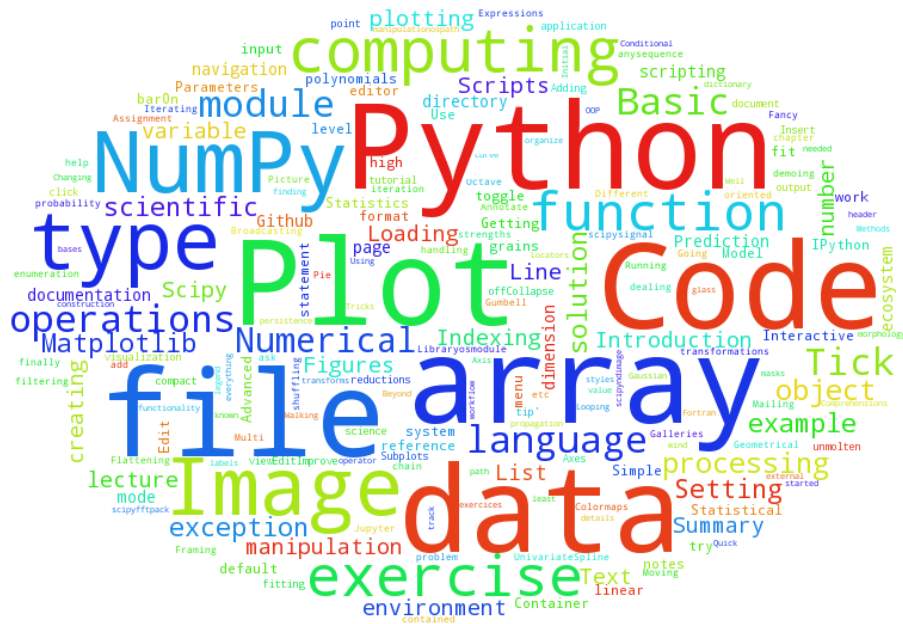


# Python for Scientists

# Welcome!



ramon.crehuet@iqac.csic.es  
fermin.huarte@ub.edu

# Outline of the Course

- General Features of the Python language.
- Python basic elements
- Interactive scientific coding with the Jupyter Notebook
- Functions
- Modules
- Working with files
- Creating your Python Environment

# Outline of the Course

- Numpy
- Data Visualization with Matplotlib and other libraries
- Scipy
- Data Analysis with Python: Pandas
- Being organized: functions and modules
- Debugging and code optimization
- Other modules useful in science
- Beyond Python

# Outline of the Course

Monday	Tuesday	Wednesday	Thursday	Friday
Intro to Python	Numerical Python	Data Analysis & Visualization	Functions and modules	Beyond Python
Basic Python	Files	More numerical Python	Pandas	Practice

# Timetable

Day	Start	End
Monday	10:30	17:30
Tuesday	11:00	18:00
Wednesday	10:30	18:30
Thursday	9:30	17:30
Friday	10:30	18:00

# Daily Schedule

Morning (I)	Theory and Practice
PAUSE	Coffee Break
MORNING(II)	Hands-on
13:30 – 15:00h	Lunch
AFTERNOON	(little) Theory and Practice / (much) Hands on

# Course Material

- Github
- This repository will be updated during the course days:

[https://github.com/rcrehuet/Python\\_for\\_scientists\\_ICIQ\\_2018](https://github.com/rcrehuet/Python_for_scientists_ICIQ_2018)