

# ERASMUS MUNDUS JOINT MASTER DEGREE MASTER IN ASTROPHYSICS AND SPACE SCIENCE

Introduction to Active Galctic Nuclei

## **Tutorial 0: Python Crash Course**

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### Preliminaries

You can reach me via email: <a href="mailto:ijankov@proton.me">ijankov@proton.me</a>

Materials covered here available at: <a href="https://github.com/cefeida42/mass-agn">https://github.com/cefeida42/mass-agn</a>

#### **AGN tutorials:**

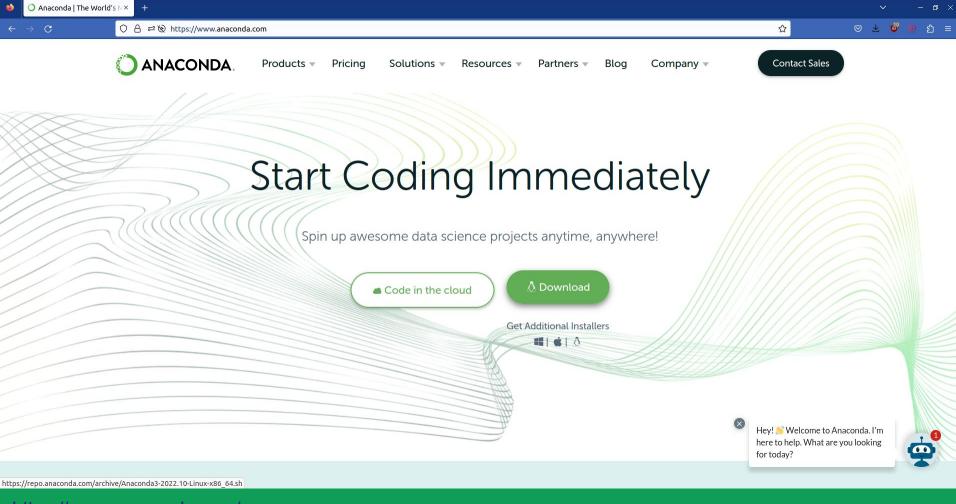
Fridays, 13h @ Department of Astronomy, Faculty of Mathematics

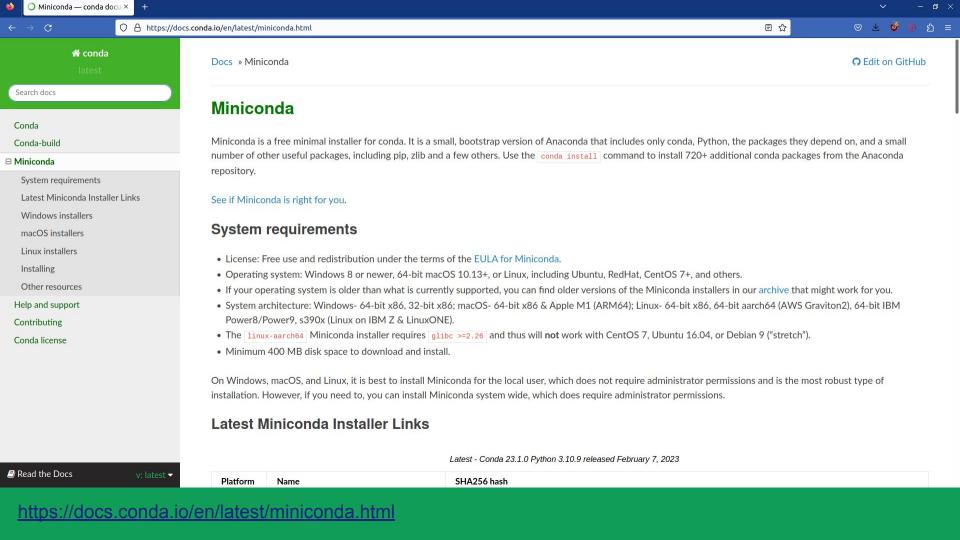
Classroom 809 (5th floor)

## Today, we will cover:

- Python syntax refresher
- NumPy basics
- Generating plots with matplotlib
- Manipulating data with pandas

## **Installing Python**





### Create a new conda environment for this course:

```
conda create -n mass_agn python=3.10

conda activate mass_agn

conda install numpy matplotlib pandas seaborn scipy notebook
```

### To open a Jupyter notebook, type in terminal:

jupyter-notebook