

# Machine Learning: Lab. For Introduction to Python

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October 17<sup>th</sup>, 2019

# Main Info

**WHEN:** Thursday October 17<sup>th</sup>, 2:30-4:30pm

**WHERE:** room Te and Ue

- 40 machines each
- 60 seats each
- If you want to use machine in the lab: you need a DEI account (not Single Sign On), see elearning for link to get one.
- **If you use your own laptop: do not sit in front of a lab machine 😊**

Will use Jupyter lab + Python (only need Anaconda)!

# Main Info (2)

## BEFORE THE LAB:

- Did you do the tutorial? Required before the lab
- You can bring your own machine IFF you have installed Anaconda
- Run (and understand!) the Jupyter notebook “*Python Basic Info*” (available on elearning)

## WHAT WILL WE DO?

- Go through a Jupyter notebook with structure similar to what you may get for a homework
- Some parts: will do together
- Other parts: you will have some time to do them, then either:
  - Together
  - At home + solution posted online later on

# Notebook Submission

Submit your notebook using the elearning website!

File name format:

Lab0\_*FirstNameLastName\_IDnumber*.ipynb

**Note:** If you do not have an ID number for the Laurea Magistrale, use the one from your Laurea Triennale.

**Example:** Lab0\_FabioVandin\_000001.ipynb

**Deadline:** Thursday, 24 October 2019, 11:55 PM

**Important:** this is mandatory if you want to do course (not graded otherwise)

# Tutor



- Ing. Leonardo Pellegrina
- email:  
[leonardo.pellegrina@phd.unipd.it](mailto:leonardo.pellegrina@phd.unipd.it)

# Log-in

- **Te:** after starting the machine, you should choose to login on the '**local**' system (that is not the default option)
- **Ue:** only option is '**remote**' login
- **Use Linux!** (Anaconda or Jupyter in Windows: may not be available...)
- **after logging in in Linux**, open a terminal and **run** the following commands:
  - `source /nfsd/opt/anaconda352/anaconda352.sh`
  - `conda activate`

Without running such command, the Jupyter lab may not be accessible.

# Using a Jupyter notebook

- Download files from elearning course's website
- In terminal, in the folder where with the files for the lab, to start jupyter lab run

`jupyter-lab`

otherwise, to run a jupyter-notebook run:

`jupyter-notebook notebookName`

- The first time you run Python code in a Jupyter notebook in the department, you may get a warning (something that looks like: "UserWarning: Matplotlib is building the font cache using fc-list. This may take a moment.") Do not panic, and just wait for system to finish.