

# Creating a new environment in Noto

This presentation was developed at the [Idiap Research Institute](#) by [Alina Elena Baia](#), [Darya Baranouskaya](#) and [Olena Hrynenko](#) (equal contribution). Any reproduction or distribution of this document, in whole or in part, is prohibited unless permission is granted by the authors.

Go to

<https://noto.epfl.ch/>

Login with your Tequila/SWITCHaai

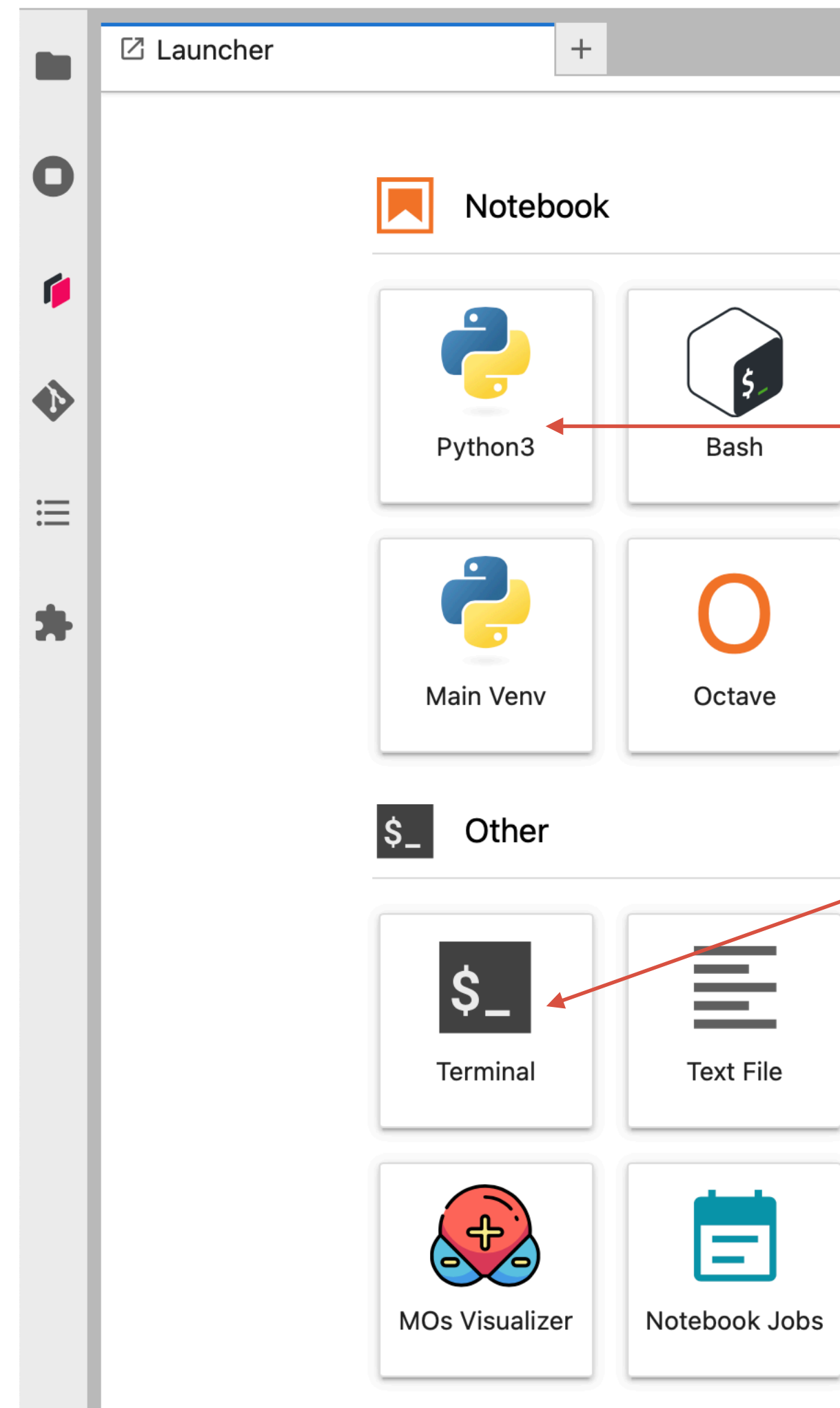
JupyterLab for Education

**Sign in with Tequila/SWITCHaai**

By signing in, you are accepting noto's [general terms](#) and [privacy policy](#).

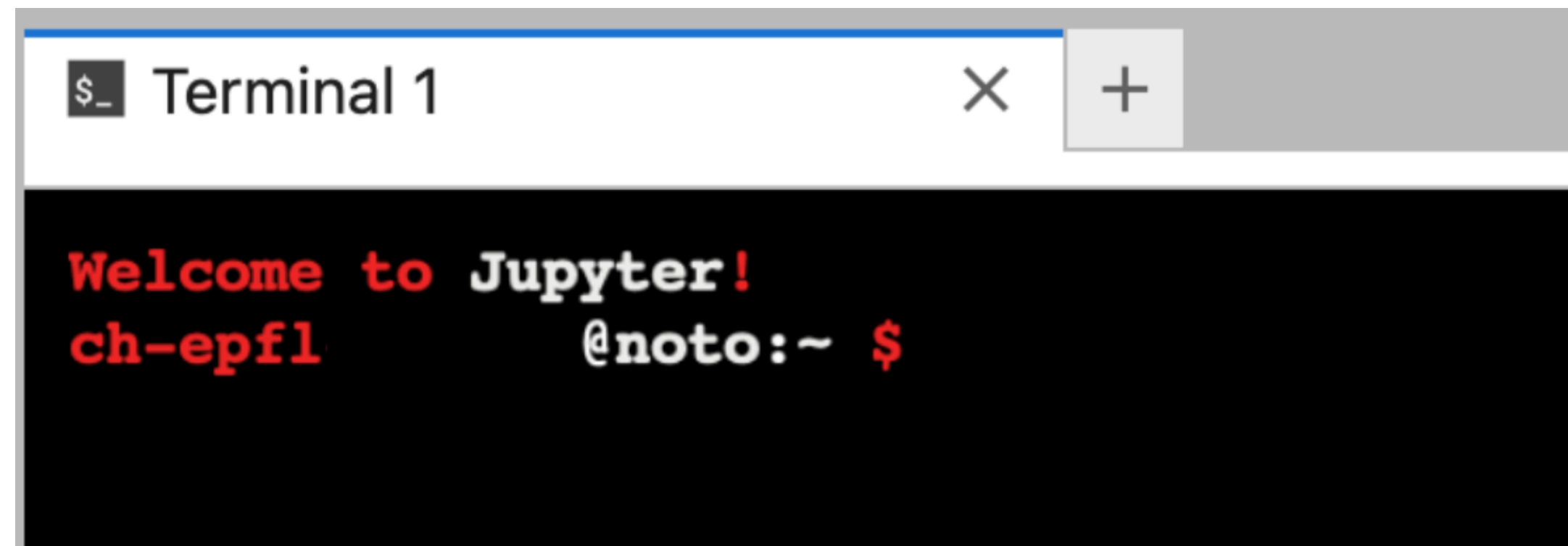
- [Teaching and learning with Notebooks](#)
- [Using JupyterLab](#)

You will see a launcher with different applications



Now you will only need  
*Python3 Notebook* and  
*Terminal*

Through Terminal you can communicate with the computer by writing commands

A terminal window titled "Terminal 1" with a close button (X) and a plus button (+). The terminal has a black background and displays the text "Welcome to Jupyter!" in red. Below this, the prompt "ch-epfl @noto:~ \$" is shown in red, indicating the user is at the nototop machine in the home directory.

```
$ Terminal 1 X +  
  
Welcome to Jupyter!  
ch-epfl @noto:~ $
```

To create an environment (which later will be used for running your practice notebook), you need to run the next commands one after another in a command line (replace words in braces with the names that you want to have):

- *my\_venvs\_create [name\_of\_your\_env]*

(creates an environment)

```
$ my_venvs_create env_ee559
```

- *my\_venvs\_activate [name\_of\_your\_env]*

(activates your created environment)

```
$ my_venvs_activate env_ee559
```

- *my\_kernels\_create [name\_of\_your\_env] [Name of your Kernel]*

(creates a kernel for Python notebook related to the previously created environment. The name of the env in the command line before \$ identifies that the env is activated )

```
(env_ee559) @noto:~ $ my_kernels_create env_ee559 EE-559
```

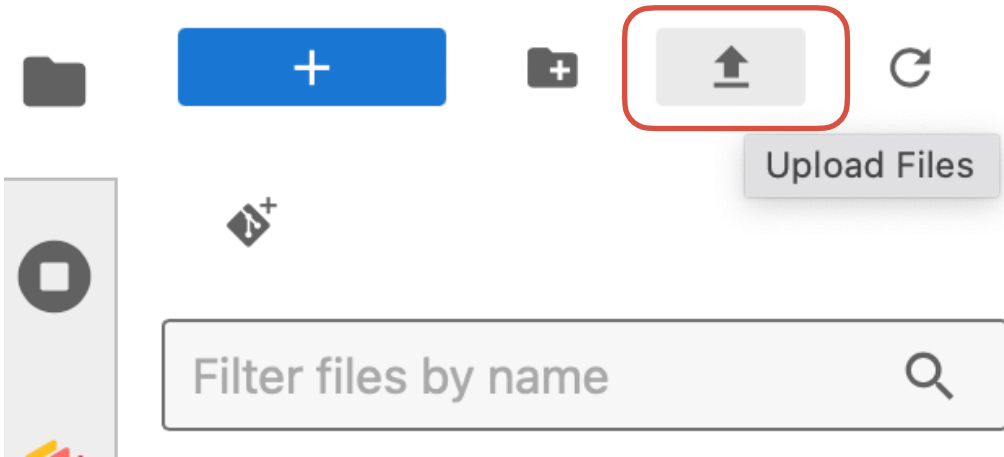
To install packages necessary for the Practice\_1.ipynb, you need to run the next command in a command line (before running, make sure that your environment is activated):

- *pip install torchsummary*

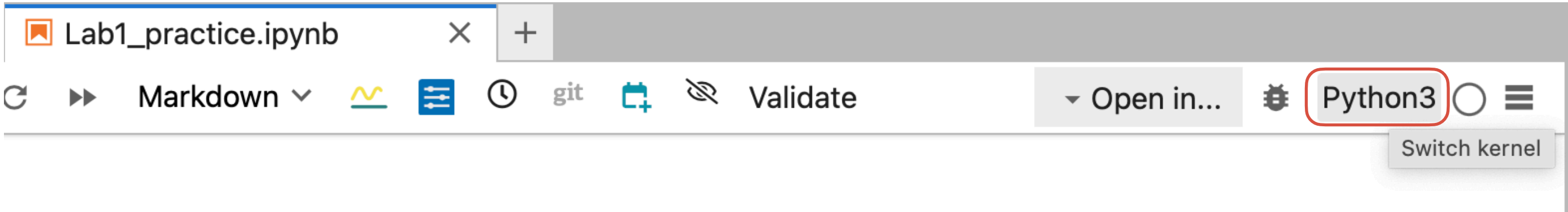
```
(env_ee559) @noto:~ $ pip install torchsummary
```

Now you have created a kernel and can start working on the Practice notebook.  
Refresh the Noto page.

Upload Practice\_1.ipynb notebook to Noto and open it



In the top right corner press on the *Switch kernel* button



From the list of kernels chose the one you have just created

Select Kernel

Select kernel for: "Lab1\_practice.ipynb"

EE-559

▼

☐ Always start the preferred kernel

Cancel

Select

# You are now ready to start working on the exercises!

For more information about the Noto environment and libraries, please follow the link:  
[https://noto.epfl.ch/user-redirect/lab/tree/Documentation/11\\_Tutorial\\_Envs.ipynb](https://noto.epfl.ch/user-redirect/lab/tree/Documentation/11_Tutorial_Envs.ipynb)

# Summary:

To install the missing libraries you need to follow the guidelines:

- Create a new env:
  - `my_venvs_create [name_of_your_env]`
  - `my_venvs_activate [name_of_your_env]`
  - `my_kernels_create [name_of_your_env] "[Name of your Kernel]"`
- Install package torchsummary:
  - `pip install torchsummary`
- Refresh the Noto page
- Go to your Practice\_1.ipynb notebook. Choose kernel from Menu -> Kernel -> Change Kernel -> [Name of your Kernel]
- Restart kernel in Menu -> Kernel -> Restart kernel
- If you want to deactivate the env:
  - `my_venvs_deactivate`

More on Noto environment and libraries tutorial: [https://noto.epfl.ch/user-redirect/lab/tree/Documentation/11\\_Tutorial\\_Envs.ipynb](https://noto.epfl.ch/user-redirect/lab/tree/Documentation/11_Tutorial_Envs.ipynb)