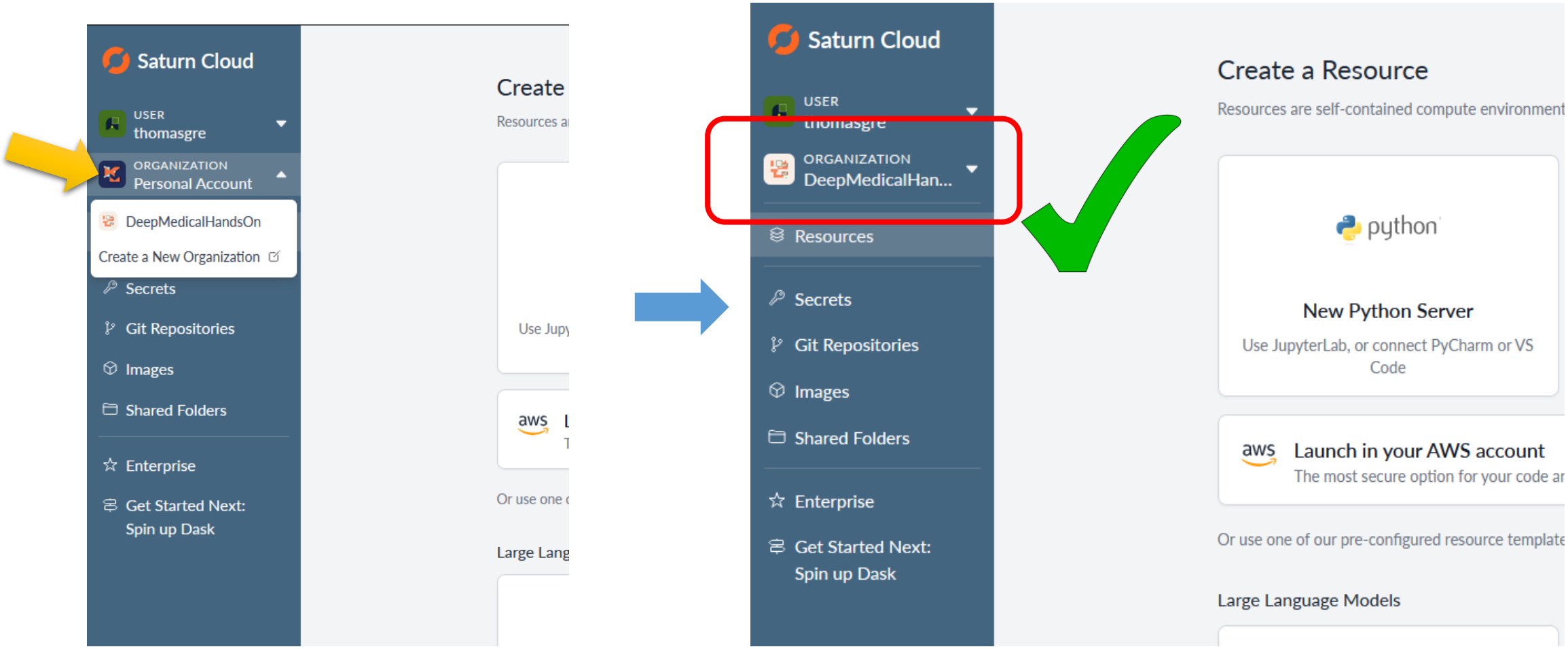
Prepare your TENSORFLOW resource on Saturn Cloud

Hands-on 1 Classification
Hands-on 2 Segmentation

Steps required

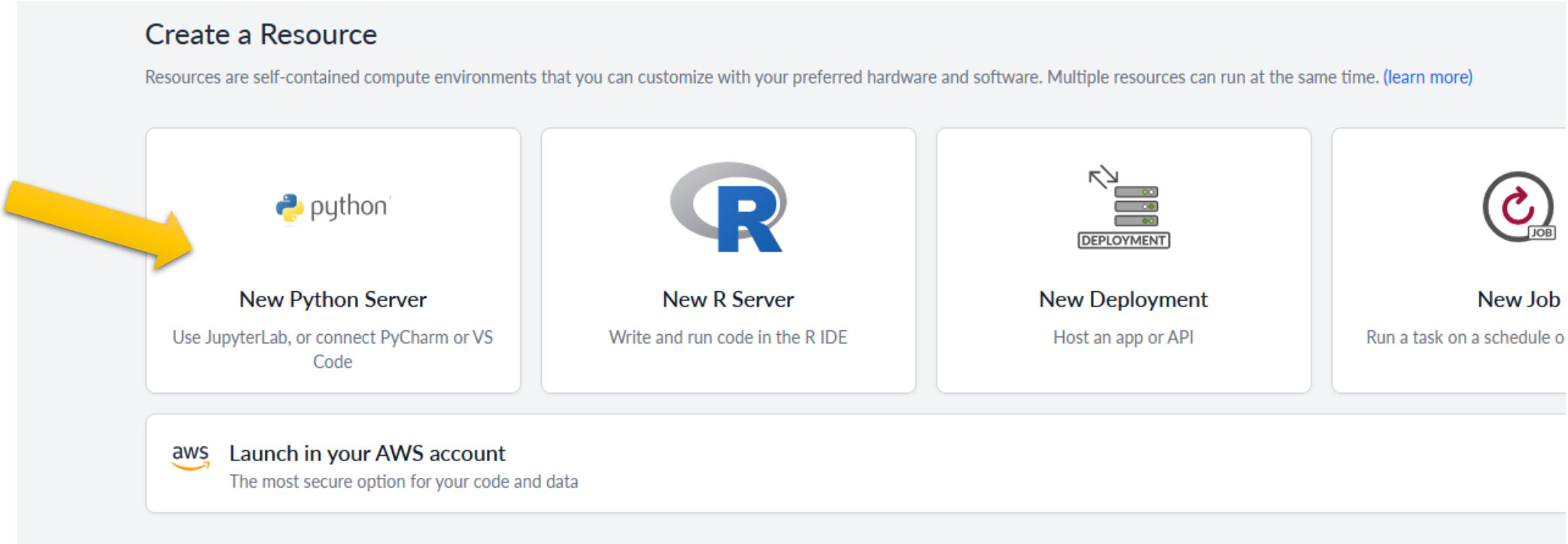
1. *Have an account on Saturn Cloud and join DLMI* ***(mail invitation)***
2. Create a jupyter server and parametrize it on this cloud
3. Start the jupyter server
4. Launch the Jupyter lab environment

1- Switch to *DeepMedicalHandsOn* organization



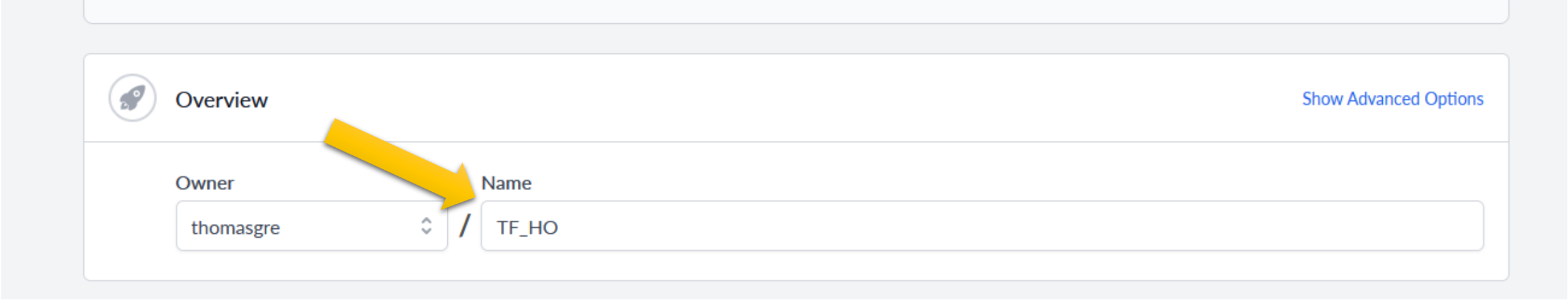
2- Create your jupyter server

- Hands-on are Jupyter notebooks, so create first a new Python server on Saturn Cloud



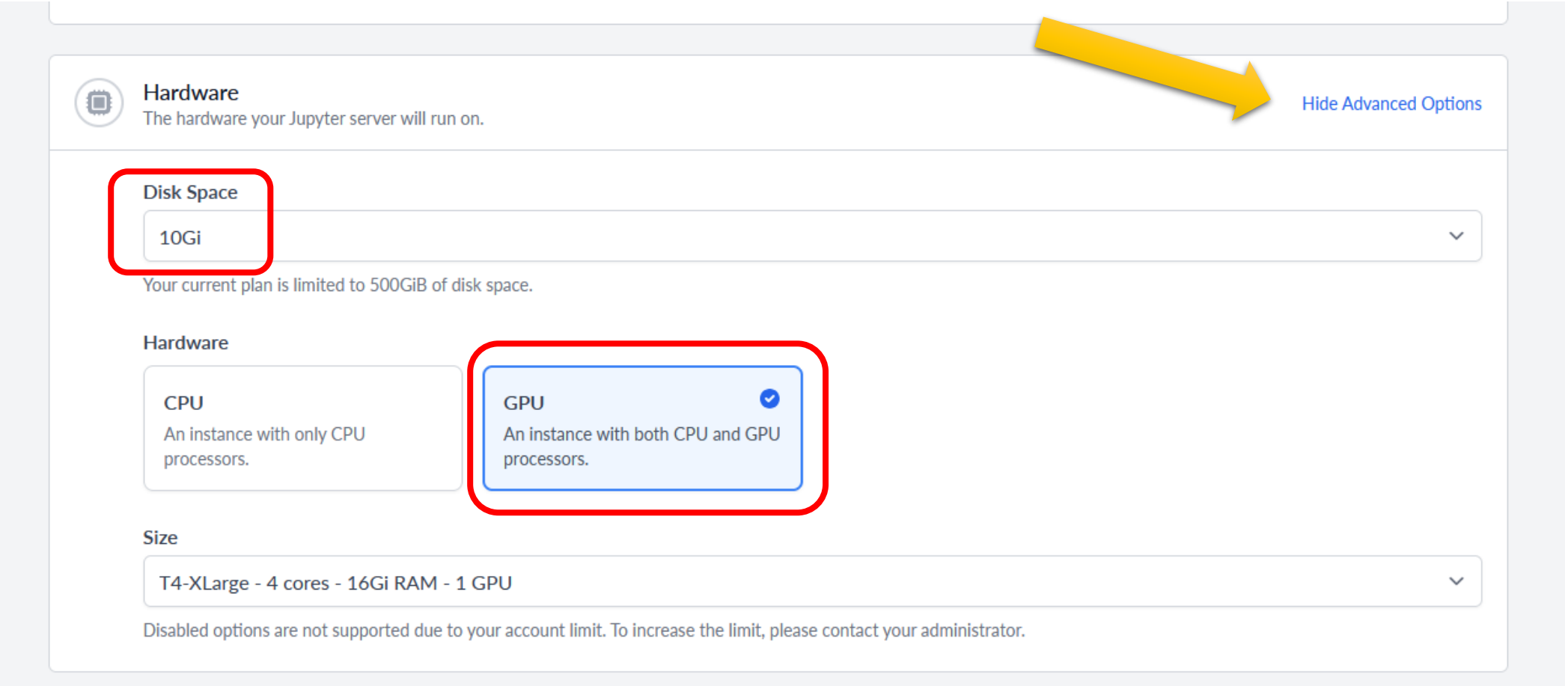
2- Server Parameters 1/4

Give a name (TF_HandsOn is nice)



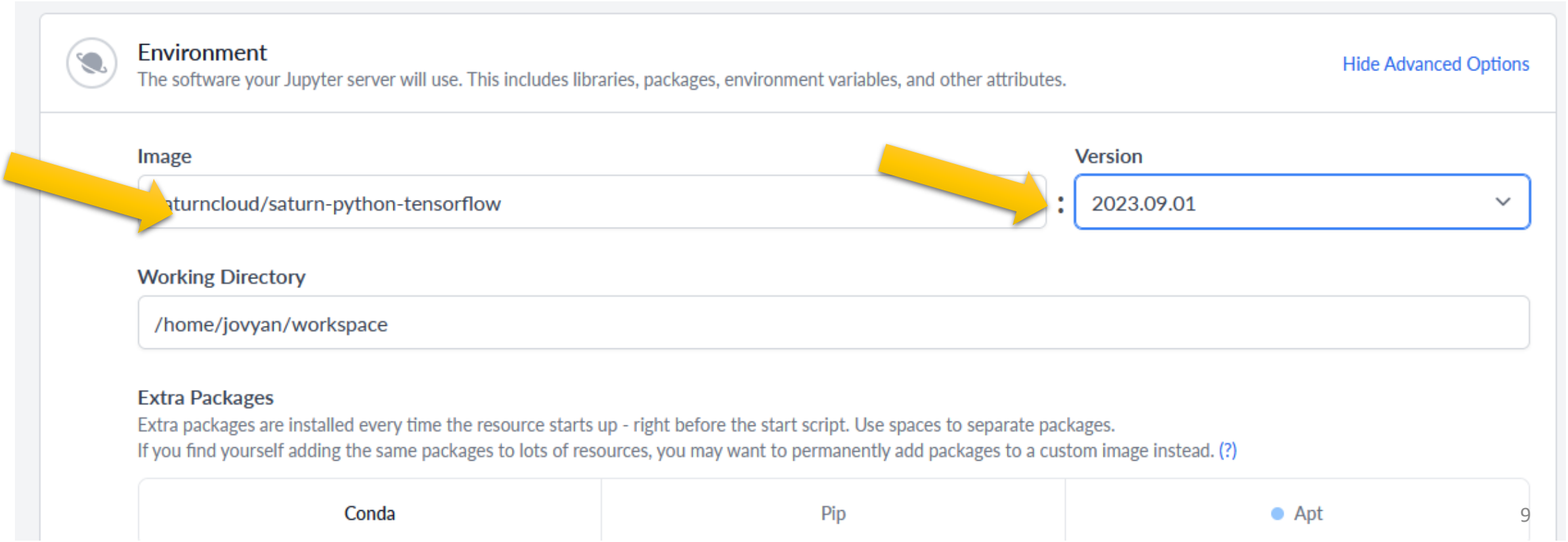
2- Server Parameters 2/4

- Select **GPU** ressources and **10Gi of Disk Space** (show advanced options)



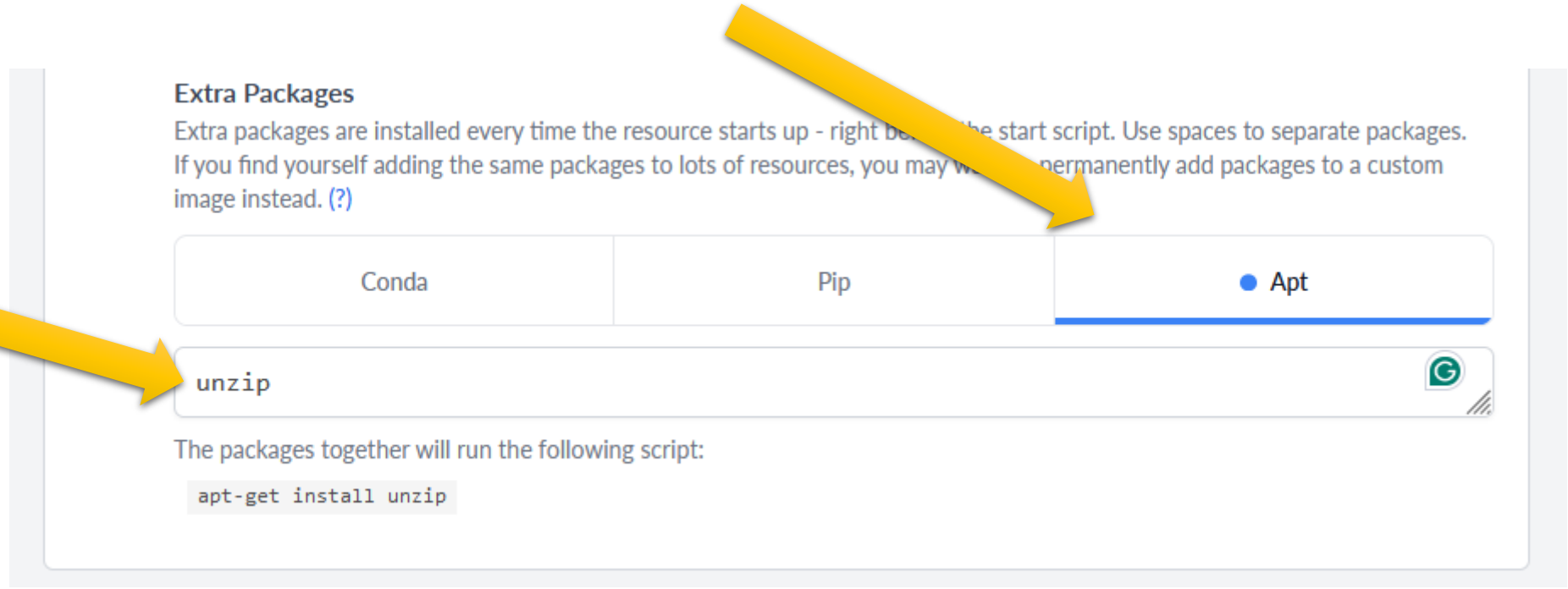
2- Server Parameters 3/4

- Select the desired image : saturncloud/saturn-python-tensorflow for GPU
- For version, use the 2023.09.01

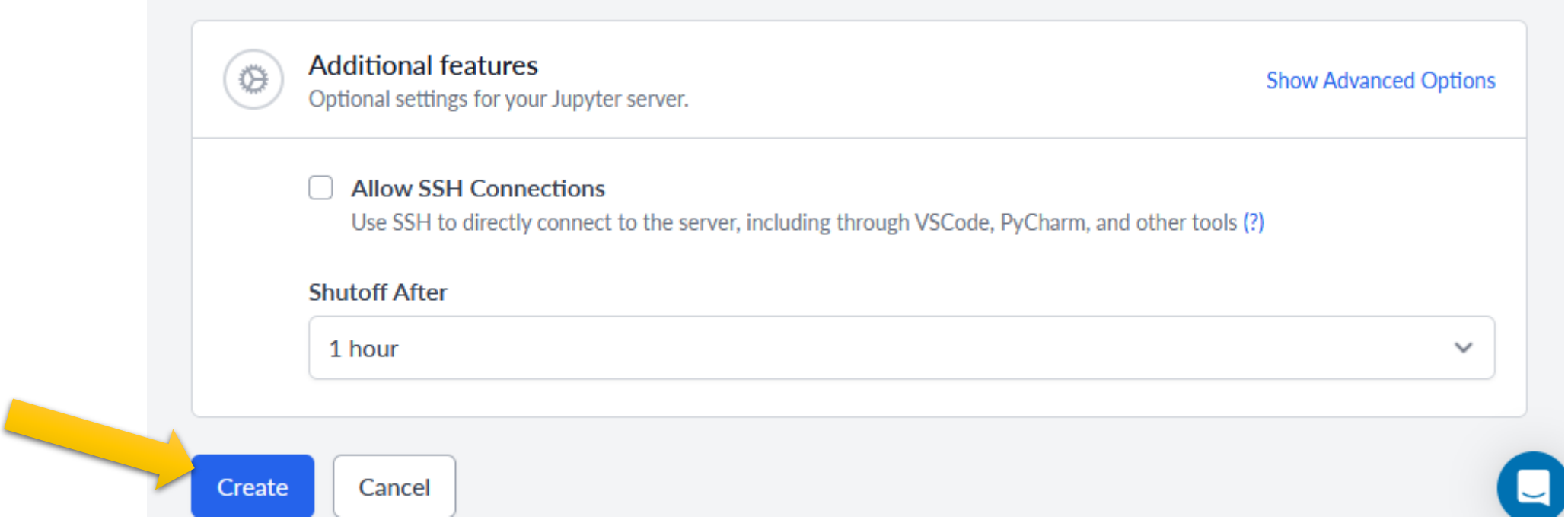


2- Server Parameters 4/4

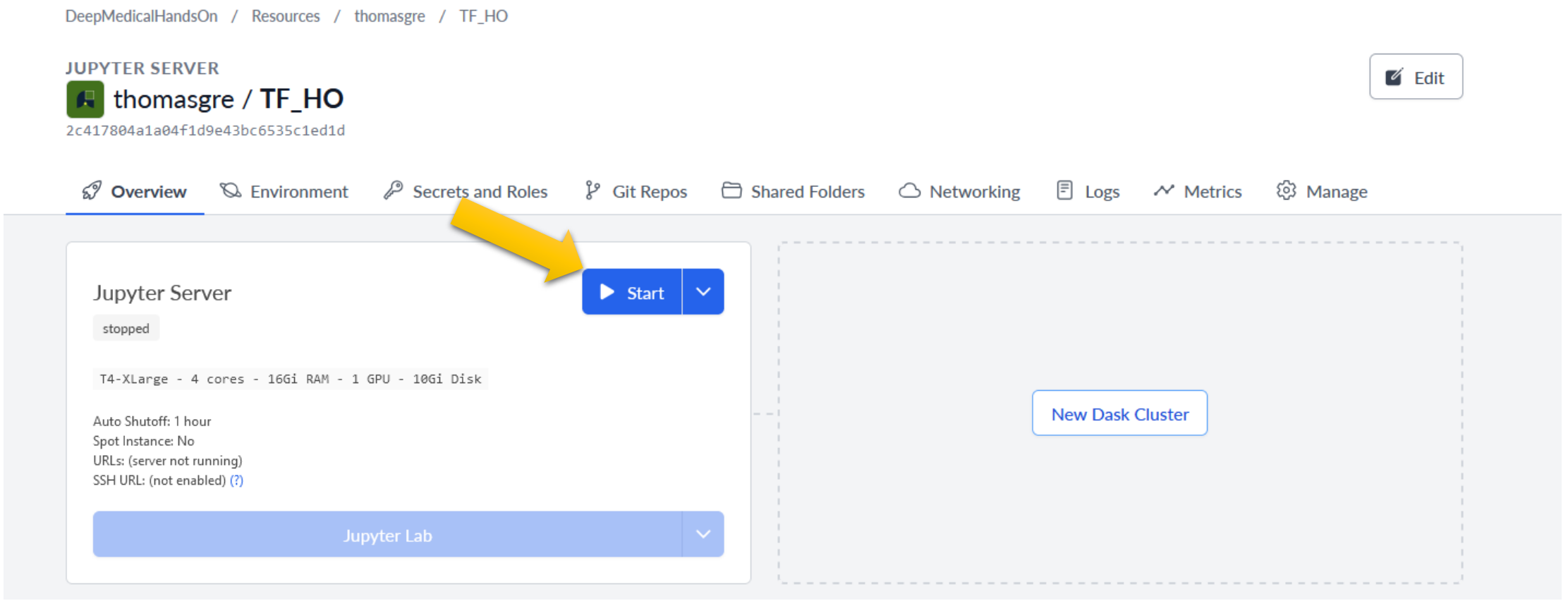
→ Apt Packages add the following
unzip



2- Server Parameters : Create

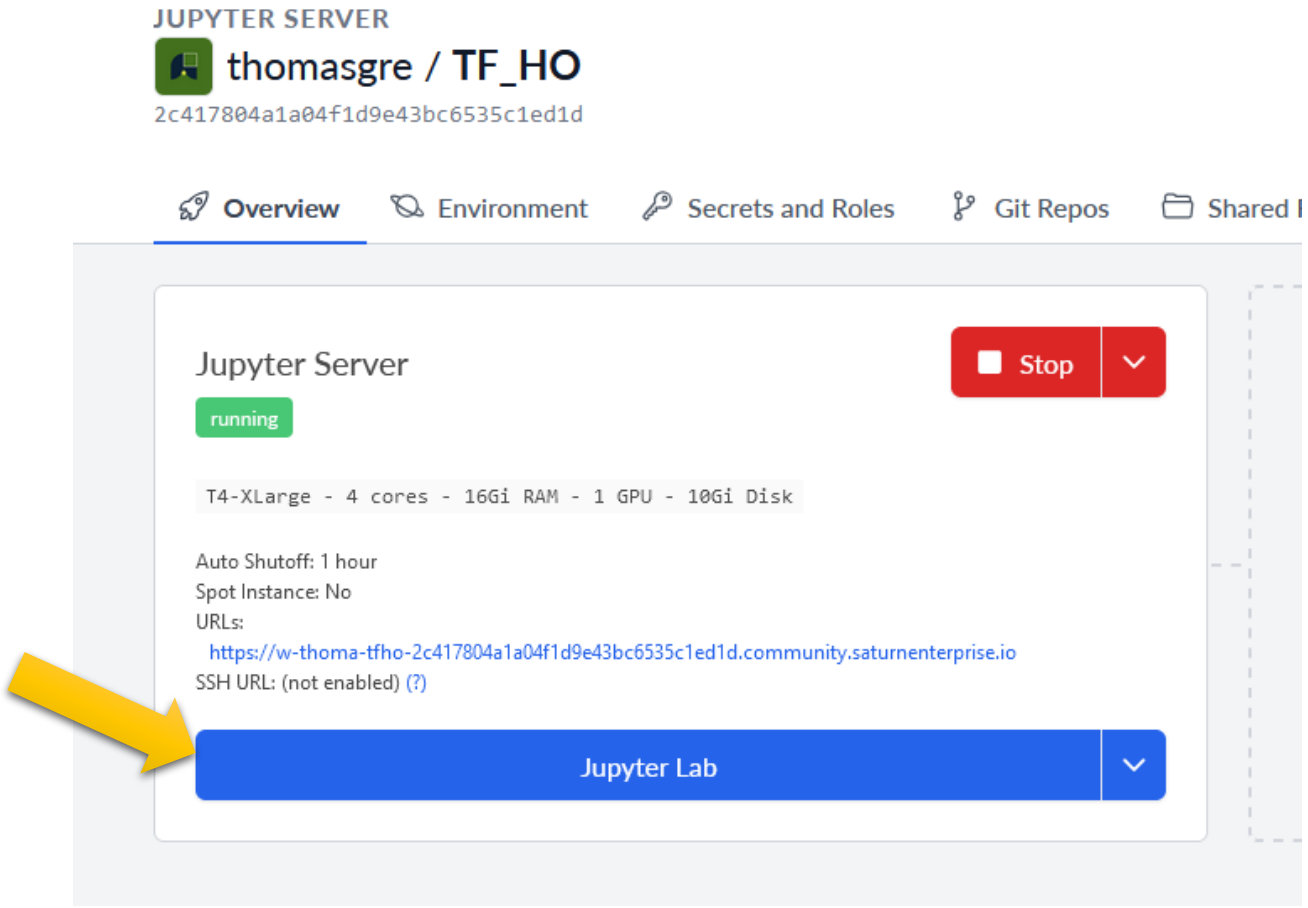


3- Start the jupyter server (few minutes)

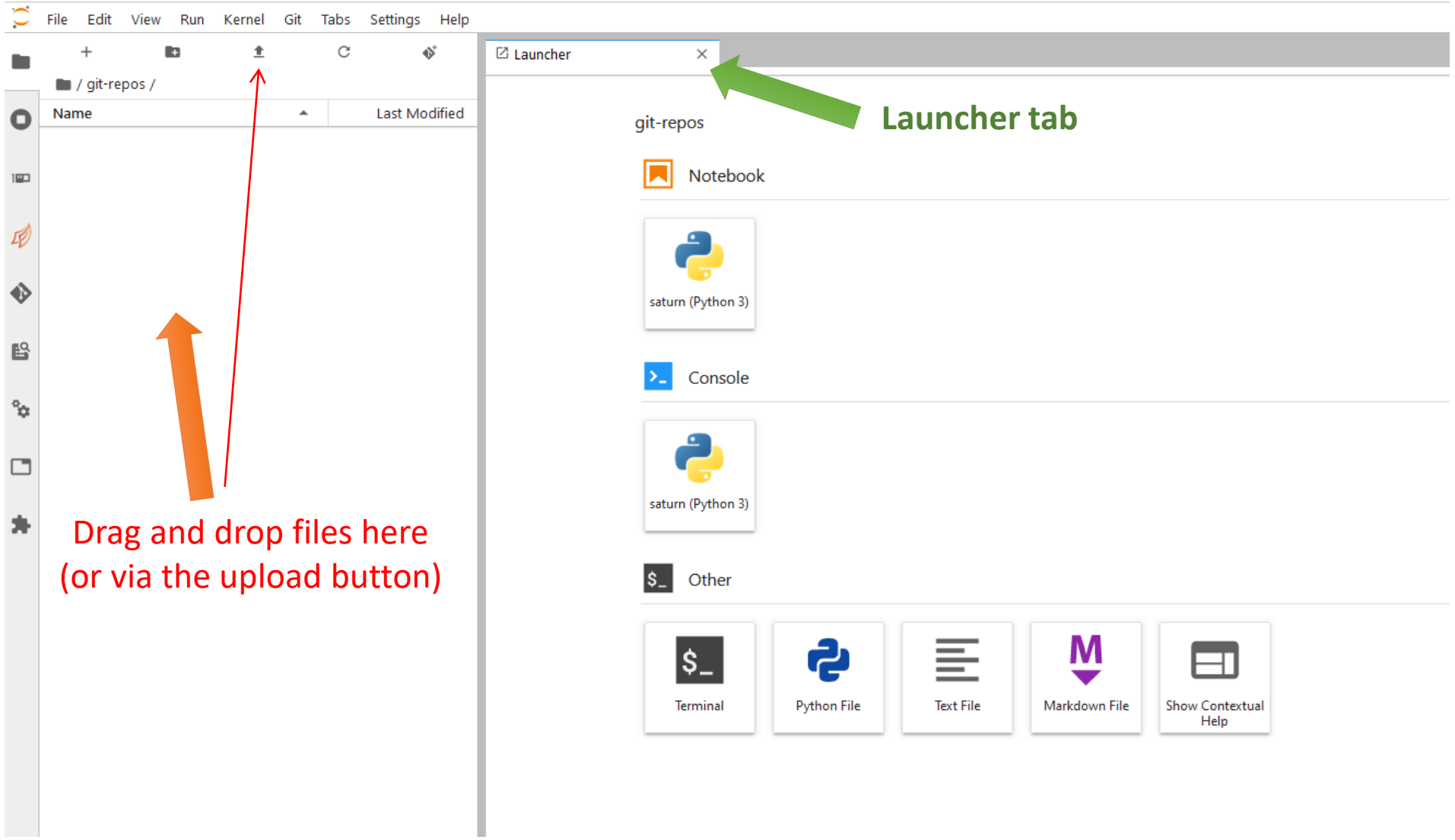


4- Launch the Jupyter lab environnement

- First, wait until the server is started ☺



5- Enjoy your Hands on (in a new tab)



Hands-on with , download zip files :

Classification (GPU recommended):

https://gitlab.in2p3.fr/thomas.grenier/tp1ss_classification/-/raw/master/TP_Classification_v05.zip

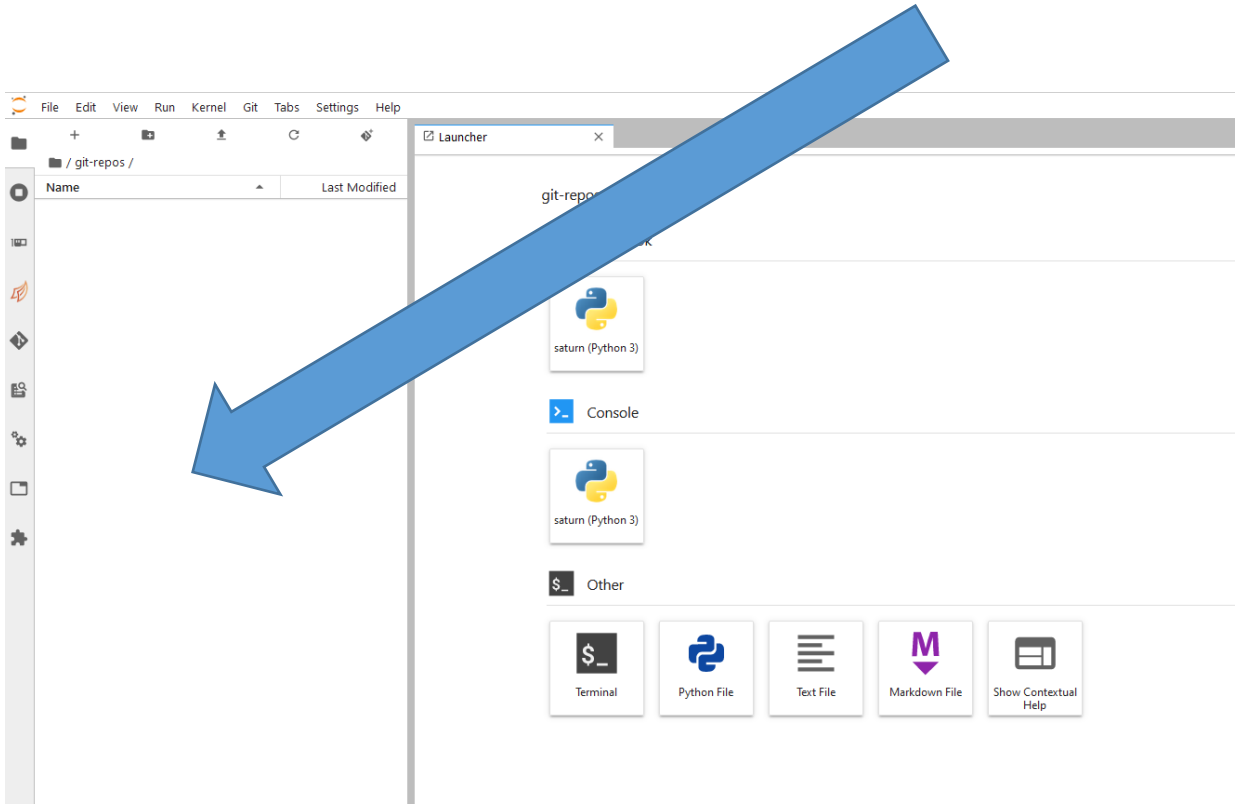
Segmentation (GPU needed):

https://gitlab.in2p3.fr/thomas.grenier/tp4ss_segmentation/-/raw/master/TP_Segmentation_v05.zip

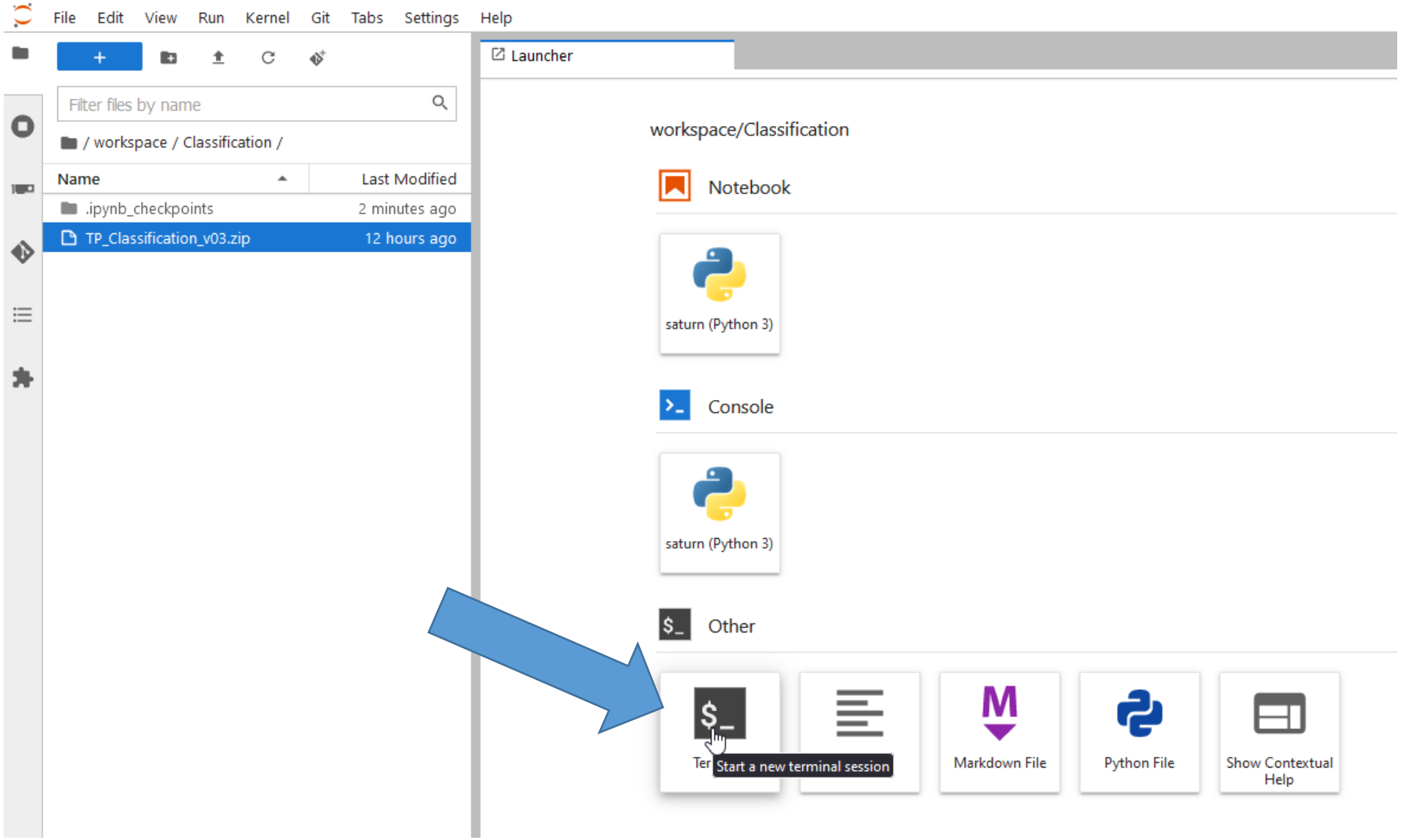
Drag and drop zip file in the **file browser area**

- Or open a terminal
- Copy paste
  wget
  https://gitlab.in2p3.fr/thomas.grenier/tp1ss_classification/-/raw/master/TP_Classification_v05.zip

Drag and drop zip file in the **file browser area**

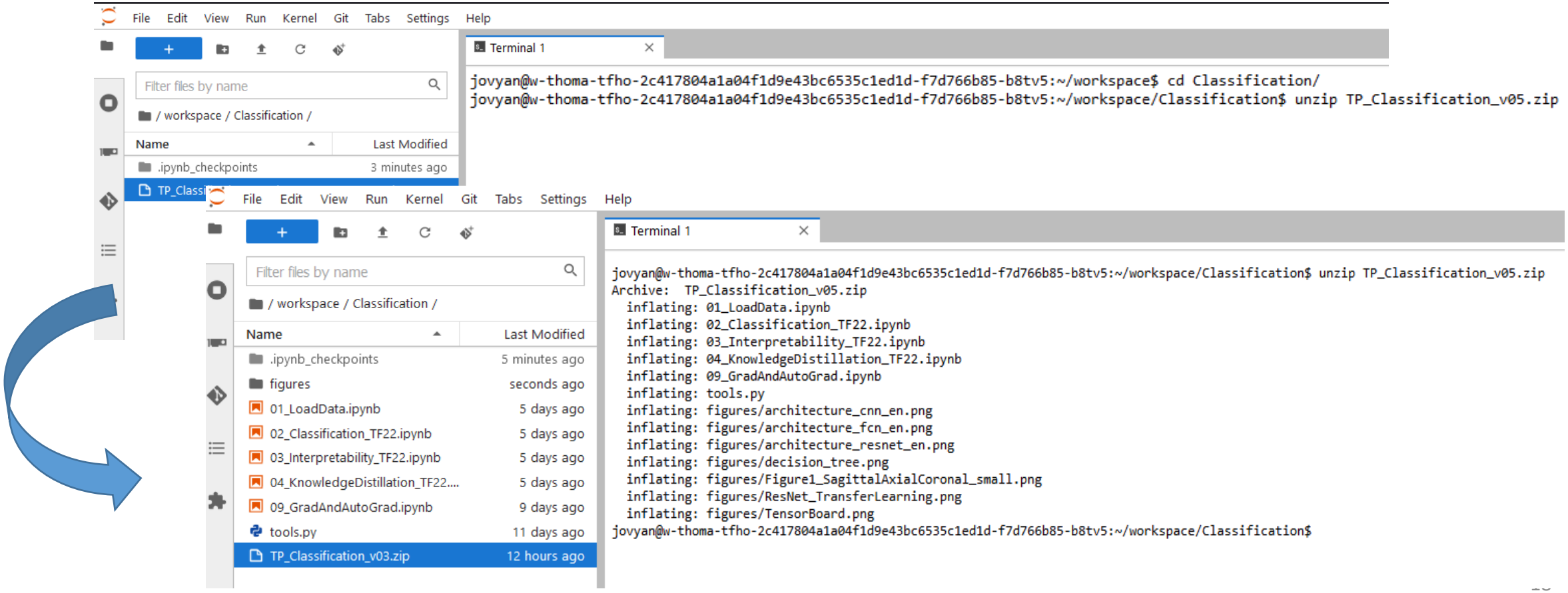


Open a Terminal



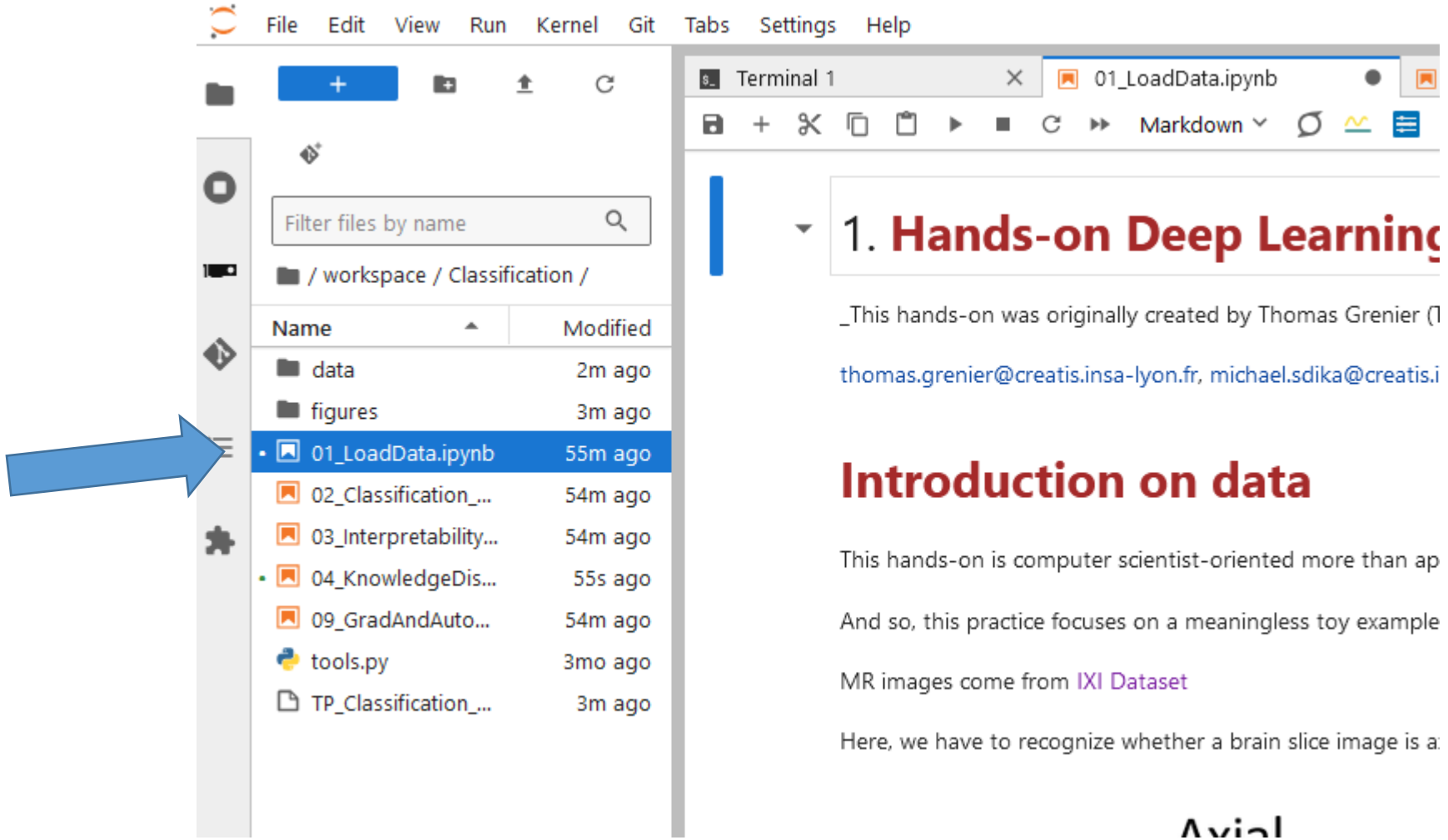
Unzip the material

Enter the command line: unzip TP_Classification_v05.zip
then « enter »



Select and open the desired notebook

As example, double clic on : 01_LoadData.ipynb



Cells and running

- Notebooks are made of cells : can be text or python code
- To go to next cell use the play button or « shift+enter »