Starting Hands On 1

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Instructions (detailled after)

1. Create a new workspace and launch it

2. Download the zip file of the source
   https://gitlab.in2p3.fr/thomas.grenier/tp1ss_classification/-/blob/master/TP1.zip

3. Drag and drop this file in your workspace

4. Unzip it in /home

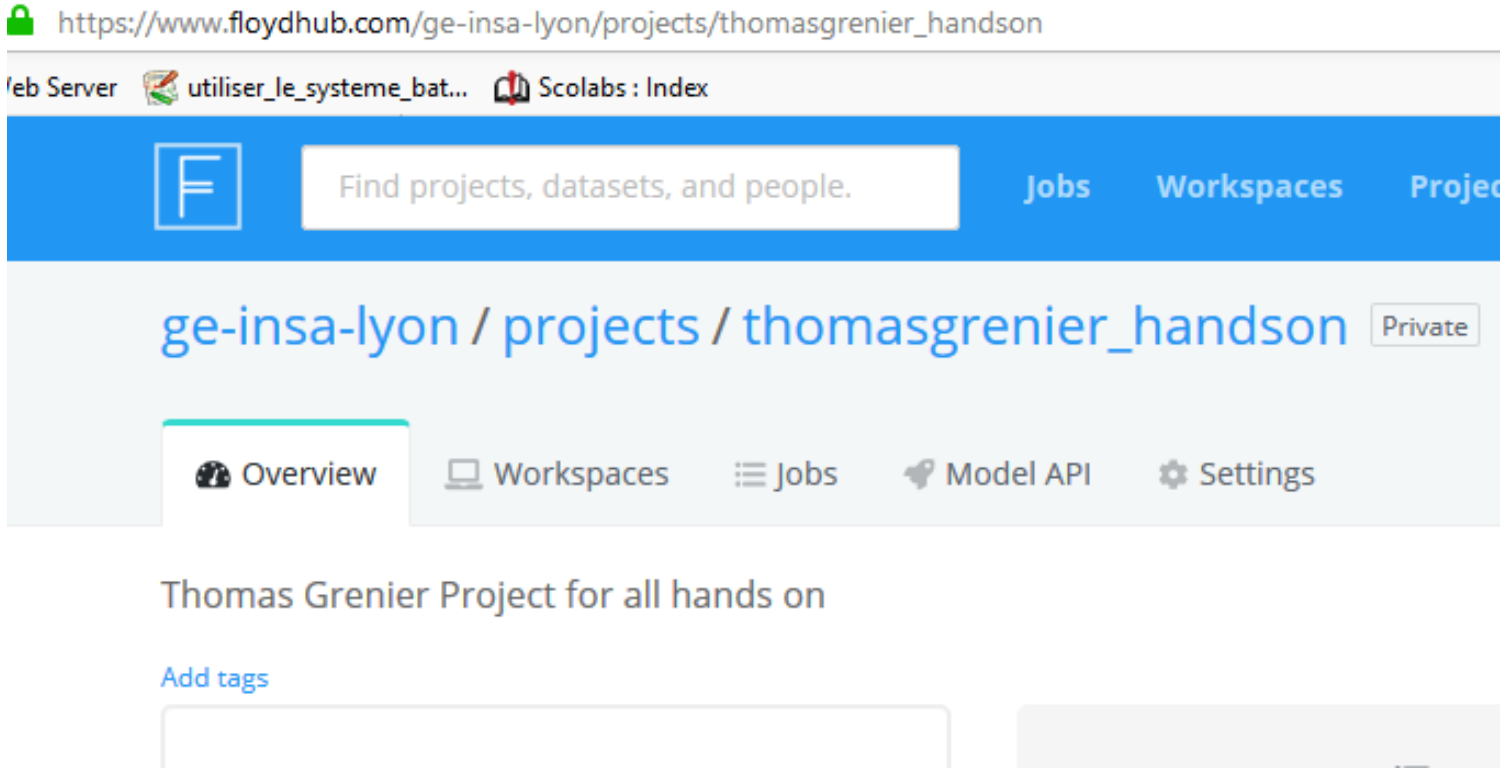
5. Double clic on : **01_Classification_TF22.ipynb** to launch the jupyter notebook of the hands-on and follow instructions of the notebook

1- Create a new workspace and launch it

Can be 20 minutes long …

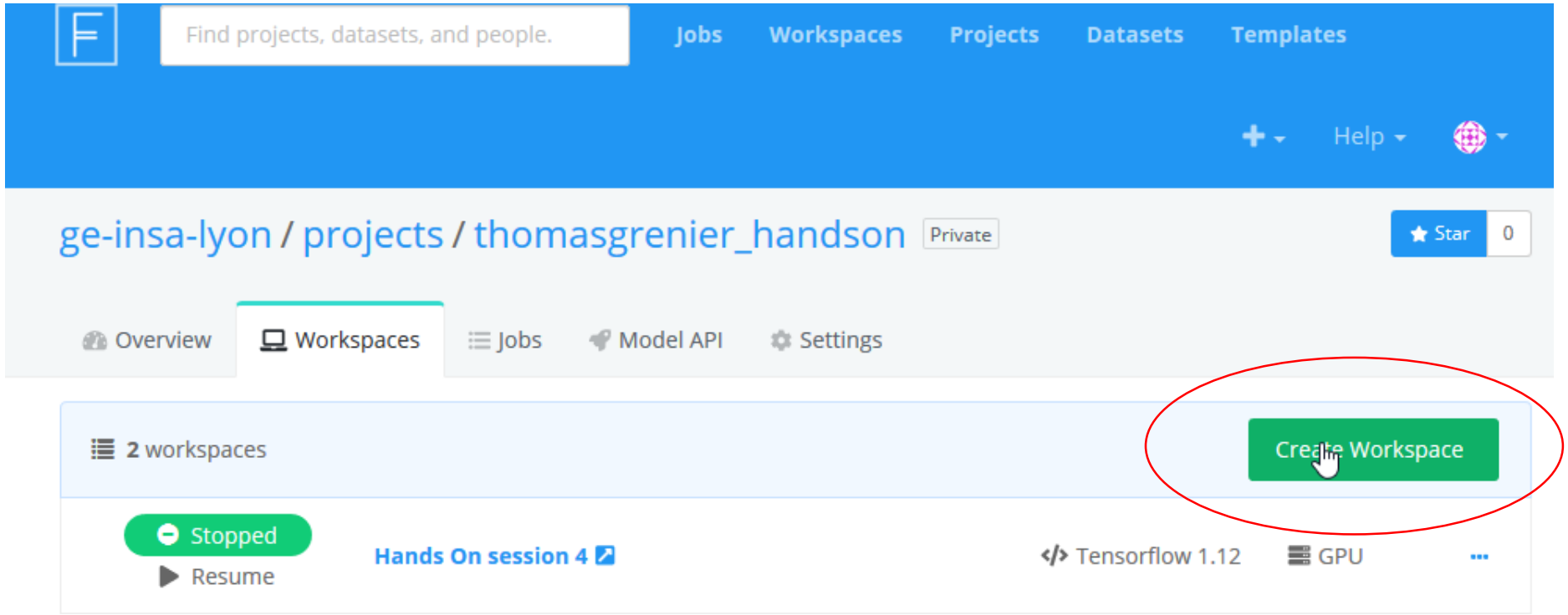
1- Create a new workspace and launch it

- First, go to **your project page**
  - Find it on the list, or use the direct link access:
    www.floydhub.com/ge-insa-lyon/projects/YourProjectName
- For me :



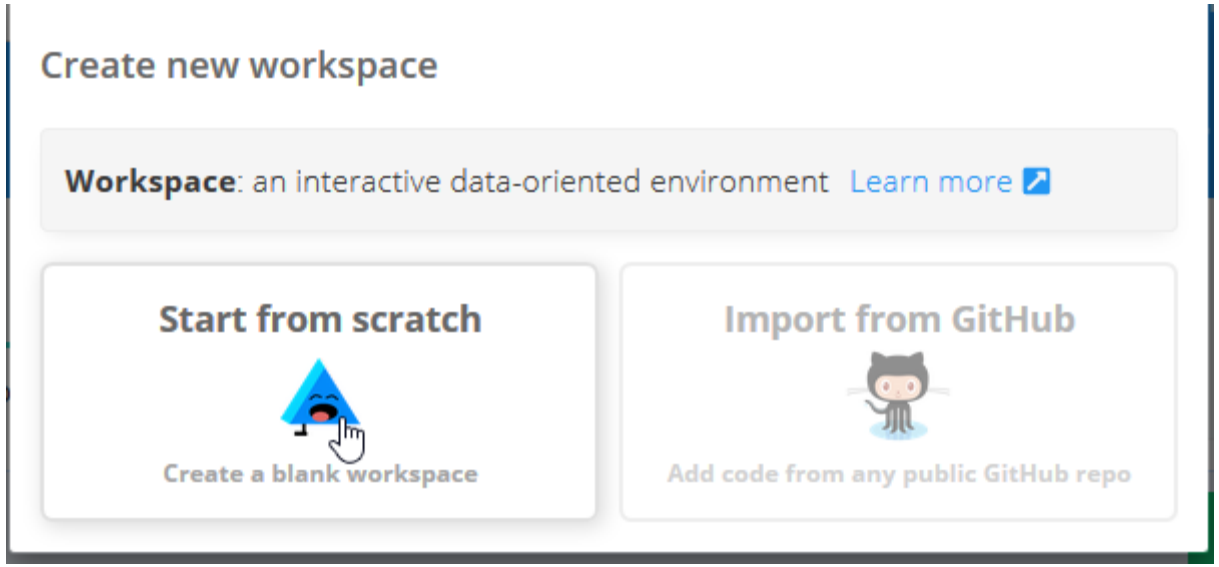
1- Create a new workspace and launch it

- Then click on the “Create Workspace” button



1- Create a new workspace and launch it

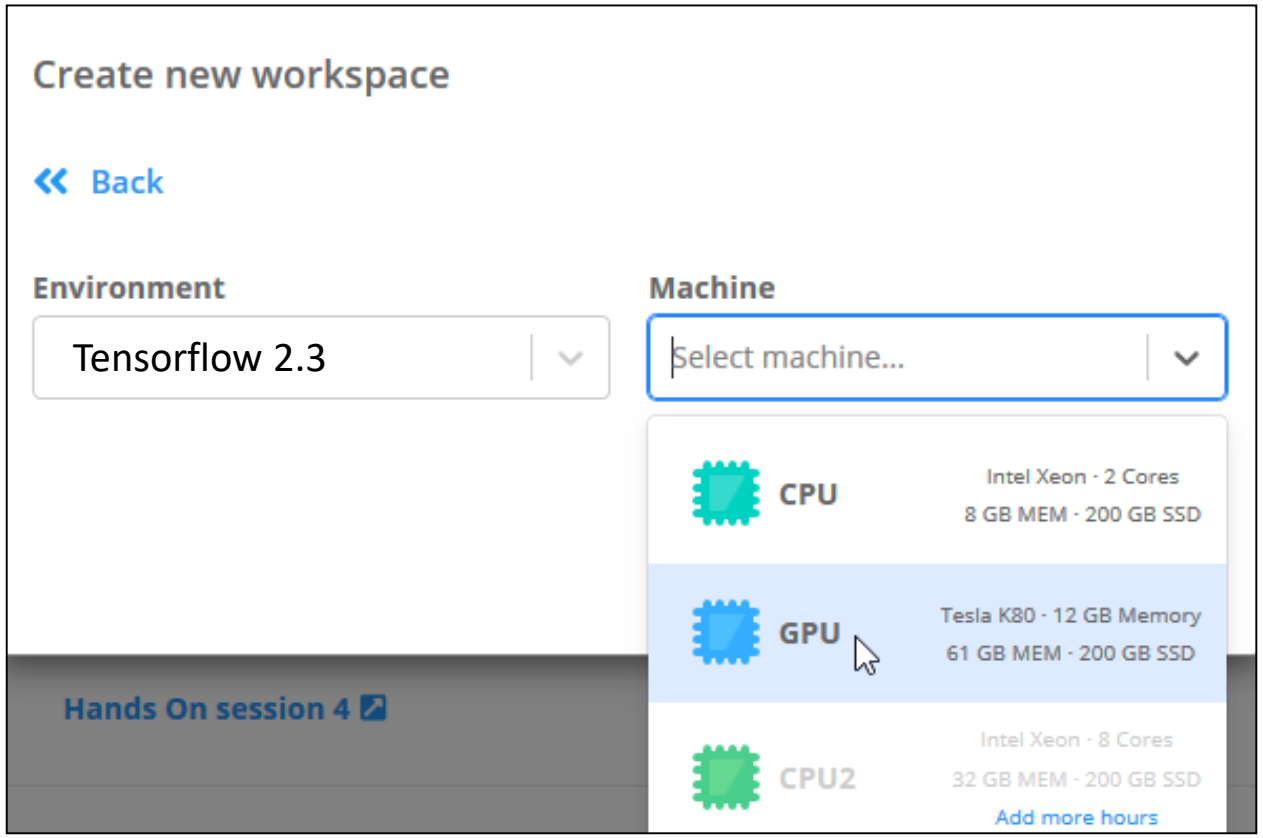
- On the following window, select “**Start from scratch**”



1- Create a new workspace and launch it

- Then you have to select the environment : **Tensorflow 2.3**
- Also, select the Machine on which your code will run.

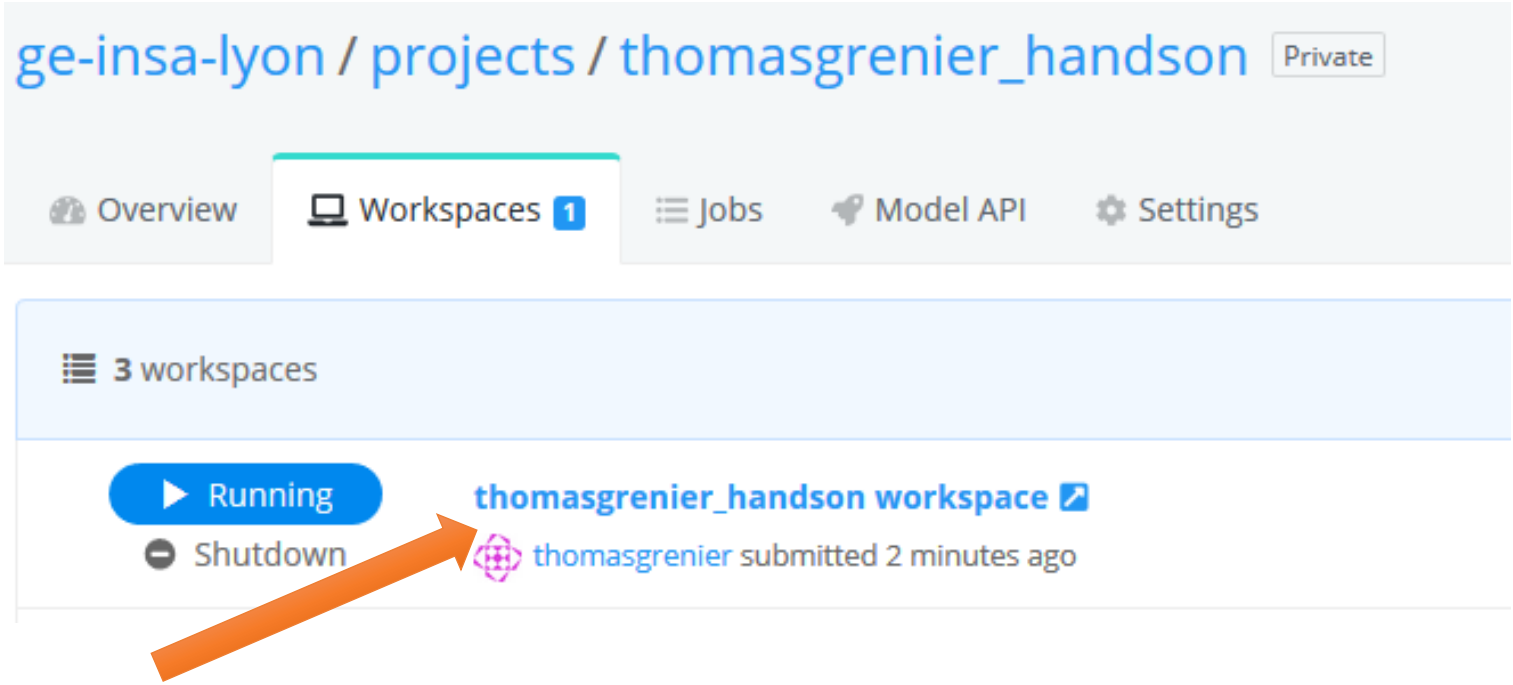
→ If you have correctly associate your project to the team (owner) you can select **GPU**



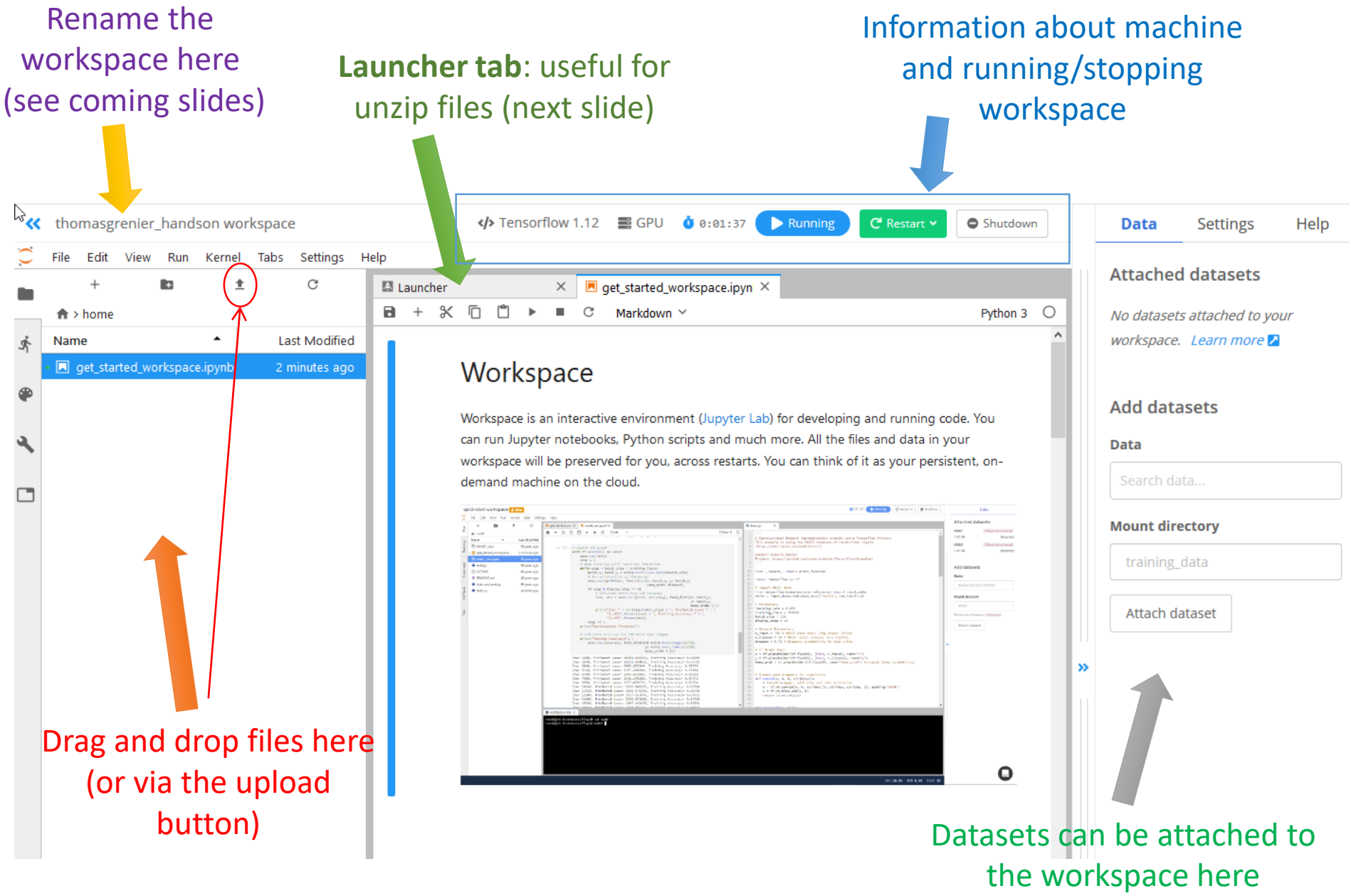
1- Create a new workspace and launch it

- You then create finalize the workspace creation by clicking the “Create Workspace”
- Attention please : when a workspace is created, it is automatically started !
  - To open it click on its name
  - You can wait 2 seconds

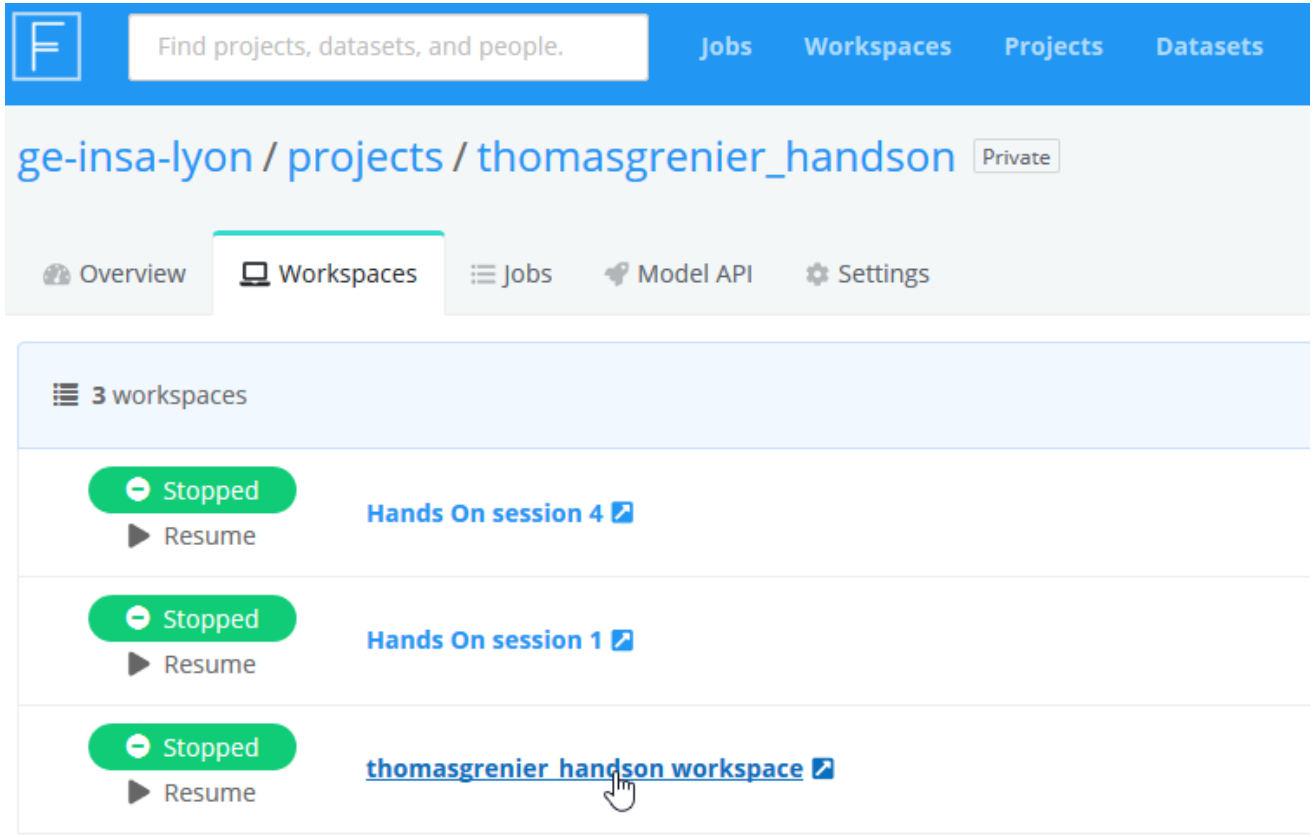
  or 20 minutes (provisioning)



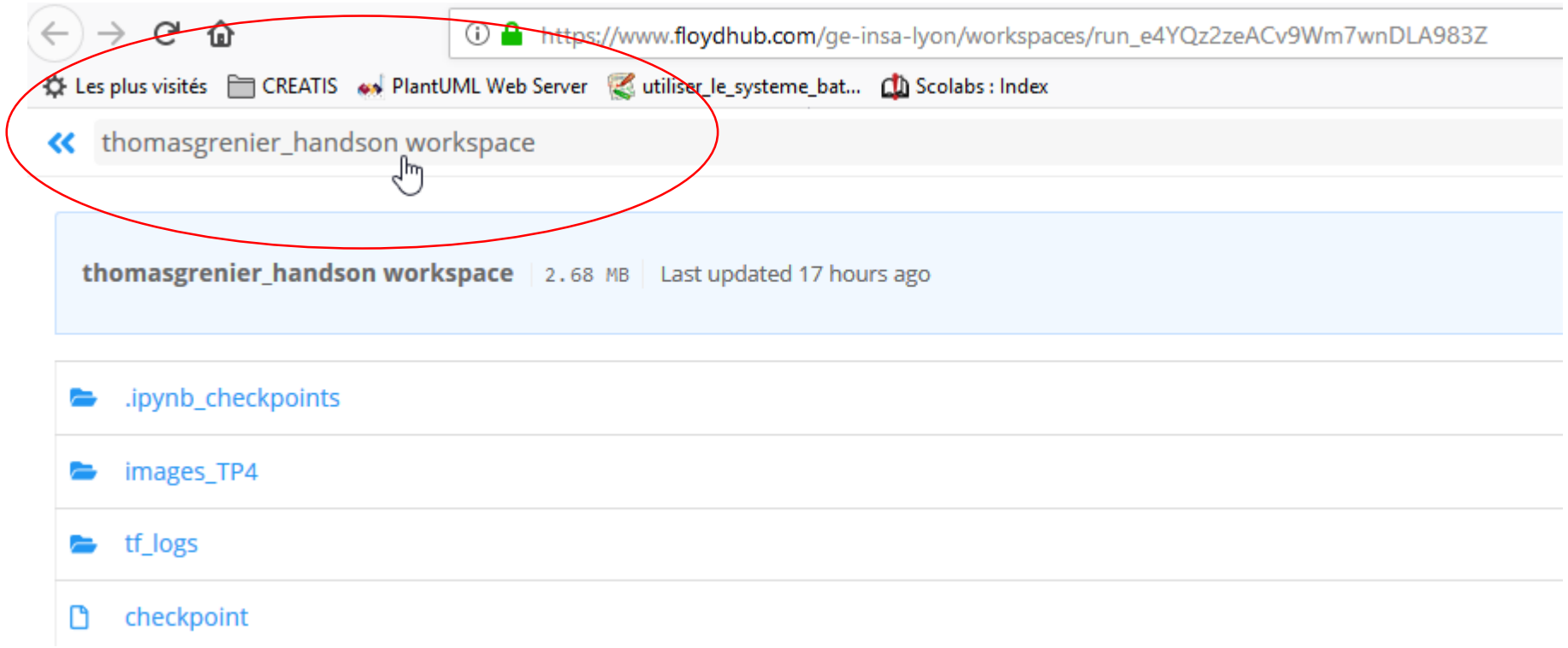
- You then enter to the *jupyterlab* of the workspace



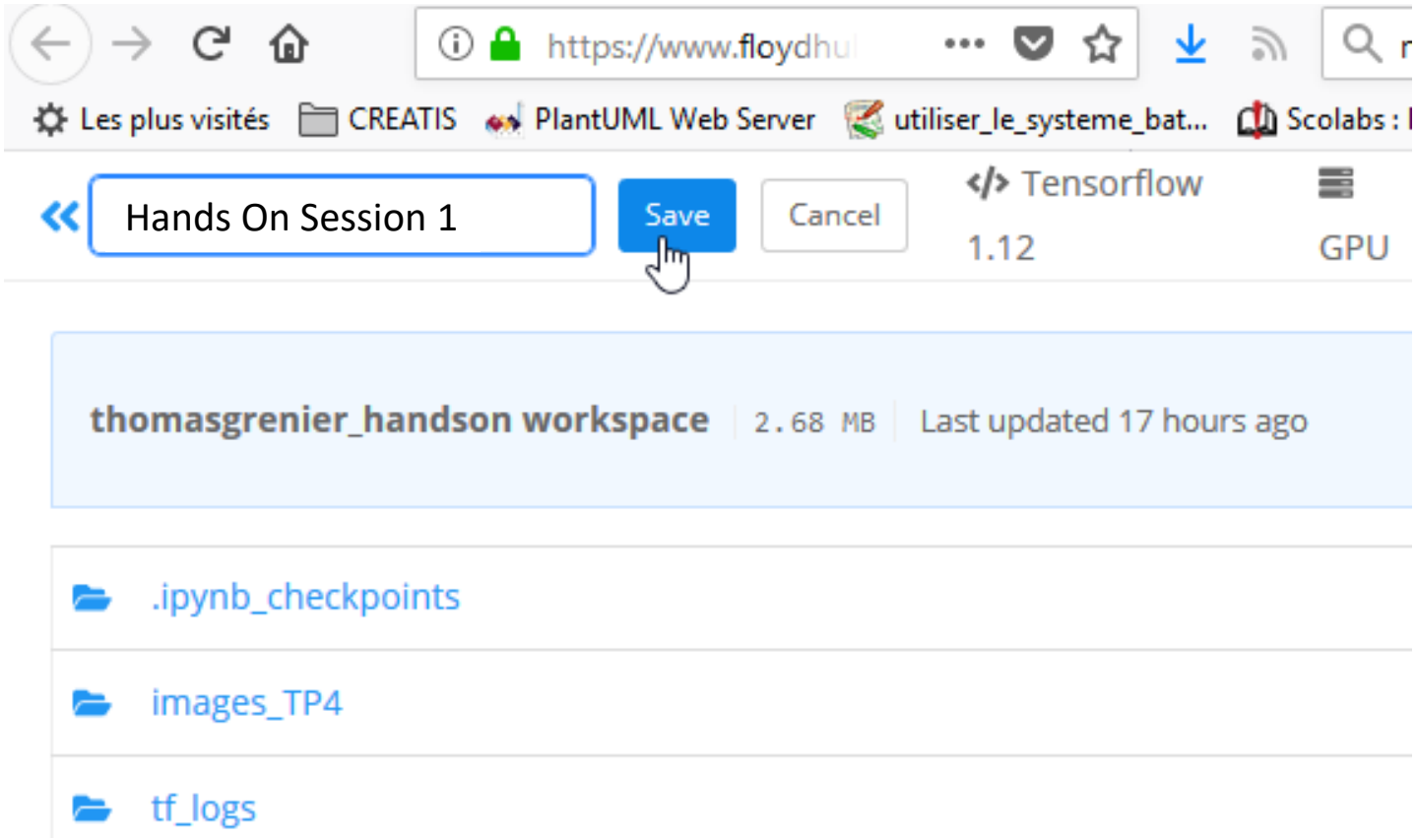
- **Recommended**: rename your workspace as you will have –at least- 4 workspaces in your project
  - First select the one you want to rename, simply clicking on it (the workspace can be running as in previous slide)



- Then, click on the workspace name as shown bellow



- Rename the workspace
- Don’t forget to save your changes (click the Save button)
- Note that the “<<“ allow you to return to your project page (in a new tab)



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https://gitlab.in2p3.fr/thomas.grenier/tp1ss_classification/-/blob/master/TP1.zip

3- Drag and drop TP1.zip file in your workspace

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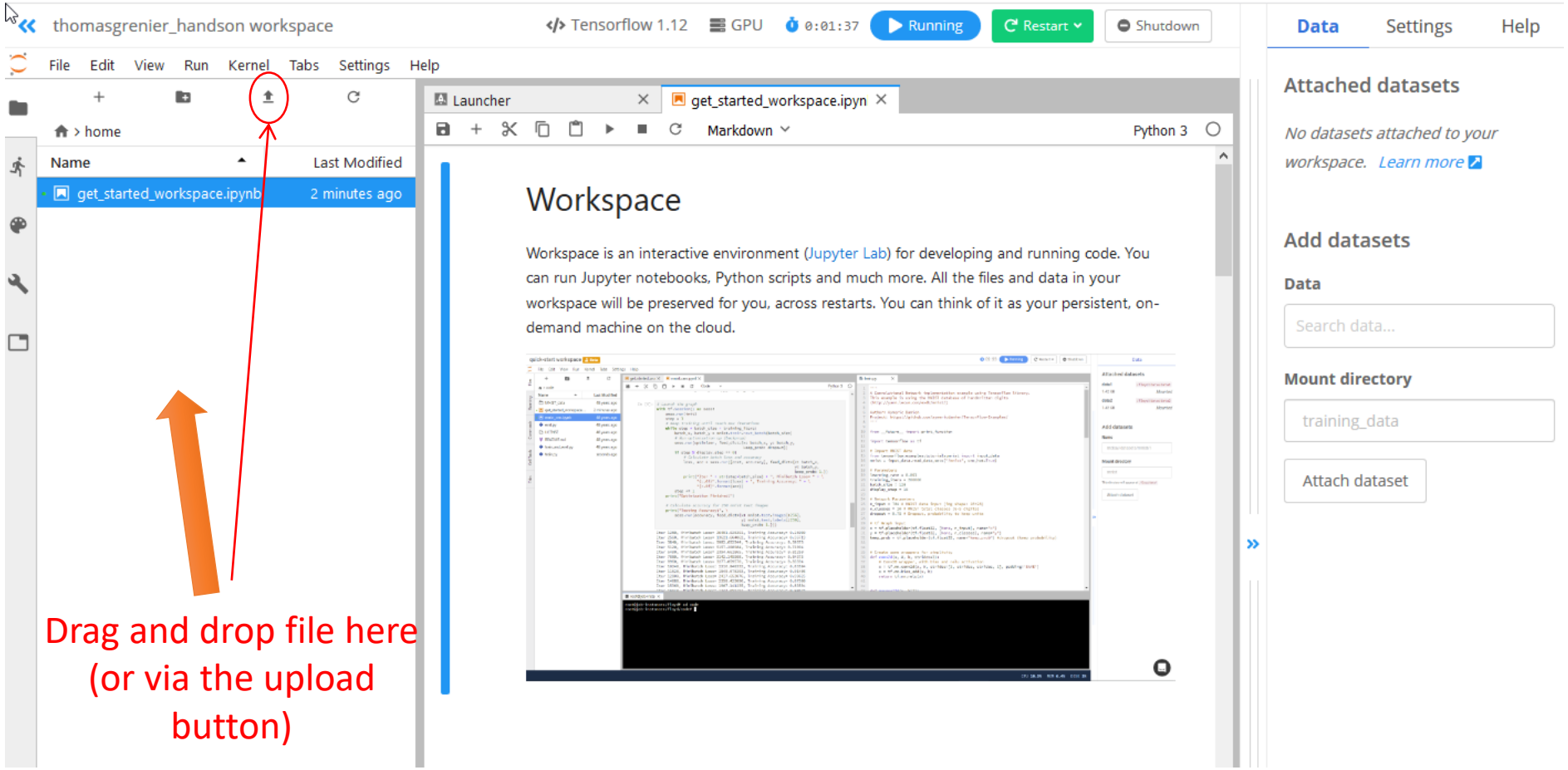
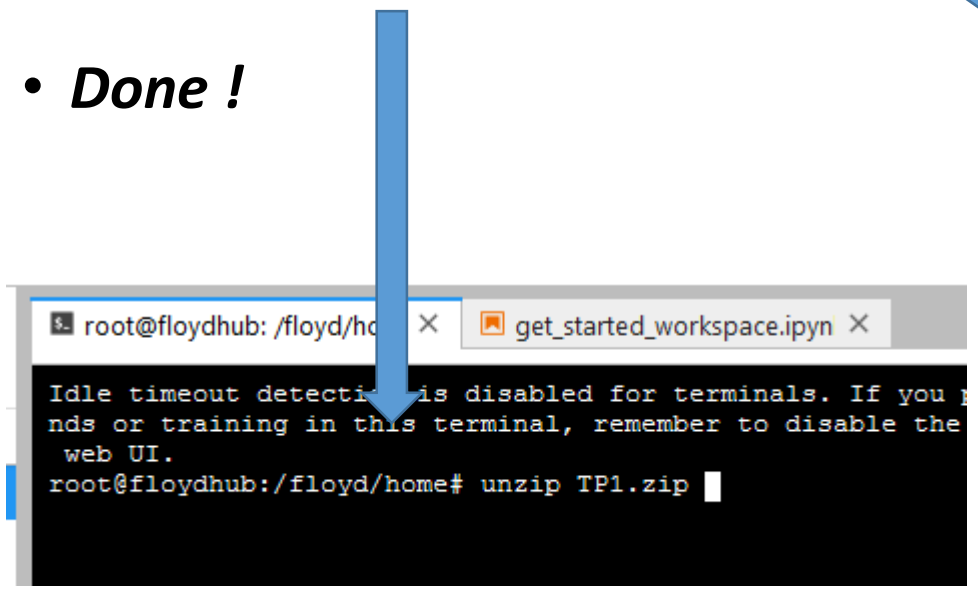
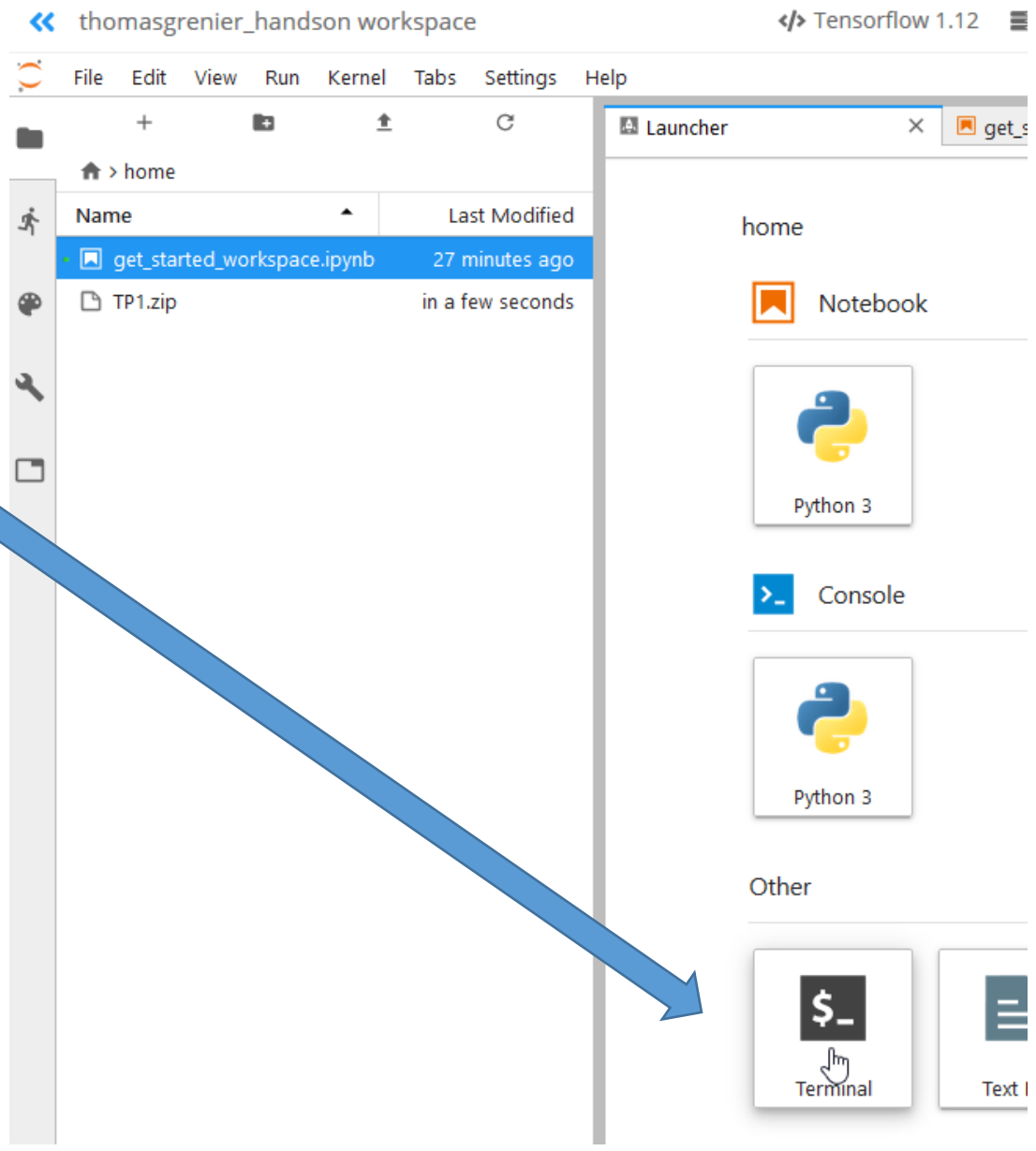


4- Unzip the file in /floyd/home

- Here, we unzip the file TP1.zip that was drag-dropped/uploaded

  - Select launcher tab
  - Select “Terminal”
  - Then, enter
    “unzip TP1.zip”
  - ***Done !***





5- Double clic on 01_Classification_TF22.ipynb

And follow instructions of the notebook

(advanced users can look at **09_GradAndAutoGrad.ipynb** to explore gradient descent optimization with tensorflow 2.x)