

Pasos de instalación del proyecto:

- 1.- Primero, instalar Git con el vínculo <https://github.com/git-for-windows/git/releases/download/v2.29.2.windows.2/Git-2.29.2.2-64-bit.exe>
- 2.- Posterior a eso, instalar Anaconda con [https://repo.anaconda.com/archive/Anaconda3-2020.11-Windows-x86\\_64.exe](https://repo.anaconda.com/archive/Anaconda3-2020.11-Windows-x86_64.exe)
- 3.- Verificar que se hayan instalado ambos correctamente. Para comprobar que git funciona, basta con abrir la línea de comandos (CMD) y teclear git y tener la siguiente salida:

```
C:\Users\eduar>git
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
           [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
           [-p | --paginate] [-P | --no-pager] [--no-replace-objects] [--bare]
           [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
           <command> [<args>]

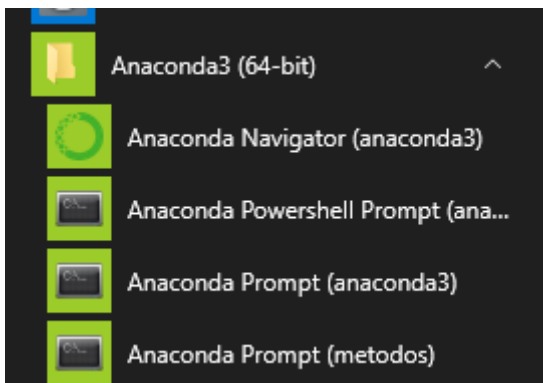
These are common Git commands used in various situations:


start a working area (see also: git help tutorial)
  clone                Clone a repository into a new directory
  init                 Create an empty Git repository or reinitialize an existing one


work on the current change (see also: git help everyday)
  add                  Add file contents to the index
  mv                   Move or rename a file, a directory, or a symlink
  restore              Restore working tree files
  rm                   Remove files from the working tree and from the index
  sparse-checkout      Initialize and modify the sparse-checkout


examine the history and state (see also: git help revisions)
  bisect               Use binary search to find the commit that introduced a bug
  diff                 Show changes between commits, commit and working tree, etc
  grep                 Print lines matching a pattern
  log                  Show commit logs
  show                 Show various types of objects
  status               Show the working tree status
```


Para verificar que Anaconda se haya instalado, debe de haberse agregado un nuevo programa a Windows, se visualiza de la siguiente forma:





- 4.- Una vez instalados ambos requerimientos, abrir Anaconda Navigator. Hacer click en Environments:

# ANACONDA NAVIGATOR

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base (root)

Channels



CMD.exe Prompt

0.1.1

Run a cmd.exe terminal with your current environment from Navigator activated

Launch



JupyterLab

2.1.5

An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.

Launch



Spyder



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base (root)

django\_env

faceswap

gpu

metodos

pia\_adaptativos

pia\_metodos

prueba

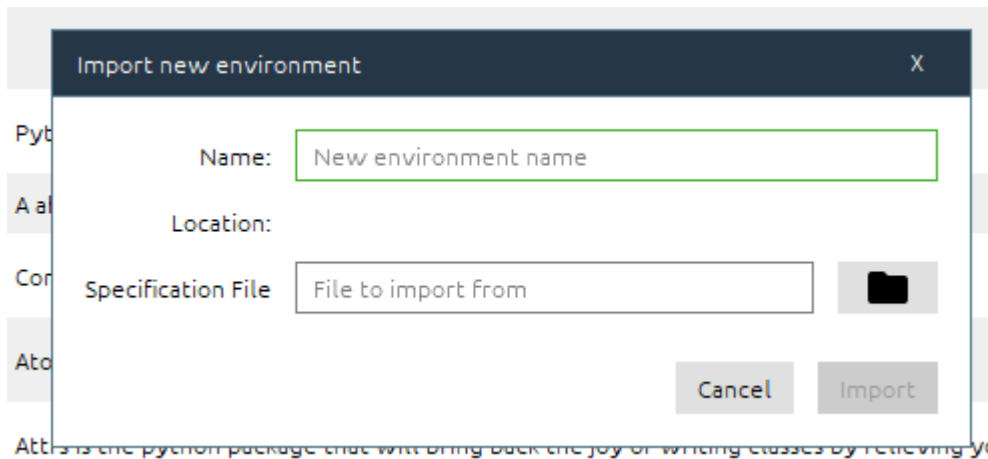
tensor

tf-gpu

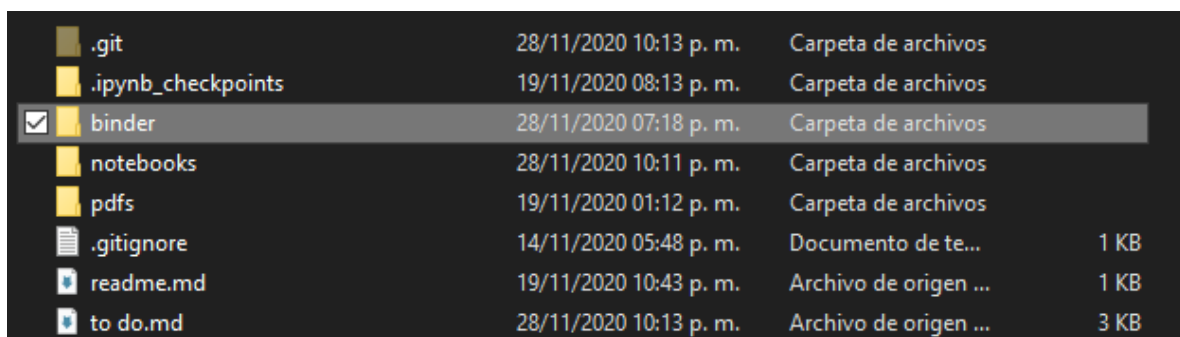
Create Clone Import Remove

333 packages

Luego hacer click a Import:

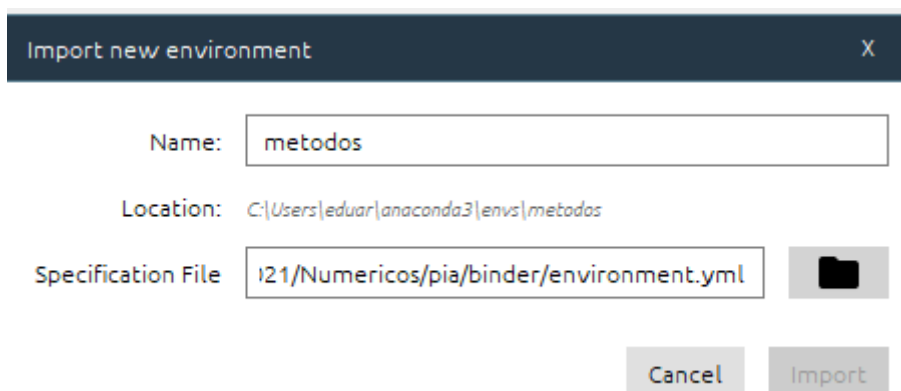


Hacer click al ícono de la carpeta y seleccionar la ruta del archivo `environment.yml` contenido en la carpeta binder del proyecto descargado. Es decir:



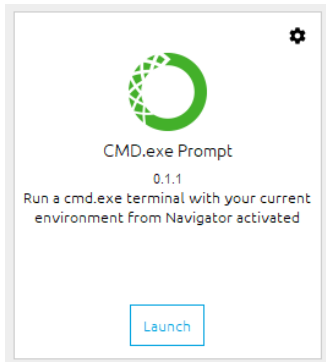
Nombre	Fecha de modificación	Tipo	Tamaño
<input checked="" type="checkbox"/> environment.yml	19/11/2020 09:27 p. m.	Archivo de origen ...	1 KB
postBuild	22/11/2020 10:01 p. m.	Archivo	1 KB
workspace.json	28/11/2020 07:18 p. m.	Archivo JSON	2 KB

Se tiene que ver así:



Dar click en Import. Anaconda ahora creará el entorno de desarrollo, espere unos minutos.

5.- Una vez situados en el entorno, volver a Home y lanzar el CMD desde Anaconda:



Desde la línea de comandos navegar hasta el proyecto clonado. Ya en la raíz del proyecto, teclear los siguientes comandos separados uno por uno:

```
jupyter lab clean --all
```

```
jupyter labextension install @jupyter-widgets/jupyterlab-manager
```

```
jupyter labextension install jupyter-matplotlib
```

```
jupyter nbextension enable --py widgetsnbextension
```

```
jupyter lab workspaces import binder\workspace.json
```

```
jupyter lab build
```

```
jupyter lab
```

```
(metodos_pog) C:\Users\eduar>cd Documents
(metodos_pog) C:\Users\eduar\Documents>cd PIAMetodos
(metodos_pog) C:\Users\eduar\Documents\PIAMetodos>jupyter lab clean --all
[LabCleanApp] Cleaning c:\users\eduar\anaconda3\envs\metodos_pog\share\jupyter\lab...
[LabCleanApp] Removing everything in c:\users\eduar\anaconda3\envs\metodos_pog\share\jupyter\lab...
[LabCleanApp] Success!
[LabCleanApp] All of your extensions have been removed, and will need to be reinstalled
(metodos_pog) C:\Users\eduar\Documents\PIAMetodos>jupyter labextension install @jupyter-widgets/jupyterlab-manager
Building jupyterlab assets (build:prod:minimize)
(metodos_pog) C:\Users\eduar\Documents\PIAMetodos>jupyter labextension install jupyter-matplotlib
Building jupyterlab assets (build:prod:minimize)
(metodos_pog) C:\Users\eduar\Documents\PIAMetodos>jupyter nbextension enable --py widgetsnbextension
Enabling notebook extension jupyter-js-widgets/extension...
- Validating: ok
(metodos_pog) C:\Users\eduar\Documents\PIAMetodos>jupyter lab workspaces import binder\workspace.json
Saved workspace: C:\Users\eduar\Documents\jupyter\lab\workspaces\lab-a511.jupyterlab-workspace
(metodos_pog) C:\Users\eduar\Documents\PIAMetodos>jupyter lab build
[LabBuildApp] JupyterLab 2.2.9
[LabBuildApp] Building in c:\users\eduar\anaconda3\envs\metodos_pog\share\jupyter\lab
[LabBuildApp] Building jupyterlab assets (build:prod:minimize)
(metodos_pog) C:\Users\eduar\Documents\PIAMetodos>jupyter lab
[I 22:49:55.245 LabApp] JupyterLab extension loaded from c:\users\eduar\anaconda3\envs\metodos_pog\lib\site-packages\jupyterlab
[I 22:49:55.245 LabApp] JupyterLab application directory is c:\users\eduar\anaconda3\envs\metodos_pog\share\jupyter\lab
[I 22:49:55.251 LabApp] Serving notebooks from local directory: C:\Users\eduar\Documents\PIAMetodos
[I 22:49:55.251 LabApp] Jupyter Notebook 6.1.4 is running at:
[I 22:49:55.251 LabApp] http://localhost:8888/?token=272dc407391ad5b8afaea965b968147a0e47f7801e601af8
```

Una vez escrito este comando, se abrirá en el navegador el proyecto.

