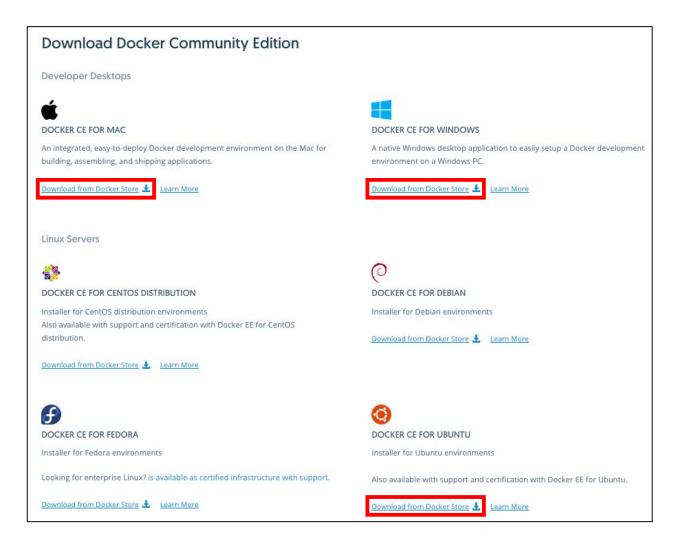
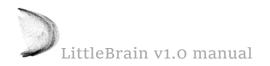


LittleBrain manual

1. To download Docker, go to: https://www.docker.com/community-edition and scroll down until you see these options. Download the Docker version that is compatible with your operating system (e.g. windows, mac):





2. Once the program "Docker" is installed, start the program "Docker" in your computer. Then open the terminal of your computer (mac: look for "Terminal"; windows: look for "Command Prompt"). Type the following in your terminal in order to download the LittleBrain docker container (this will use approximately 2.5GB of space):

If using mac or linux, type this:
docker pull xaviergp/littlebrain_v1

If using windows, type this:
docker.exe pull xaviergp/littlebrain_v1

- 3. To start LittleBrain, follow these steps:
 - 3.1 Start the program "Docker" in your computer.
 - 3.2 When Docker is running (it may take a while for Docker to start running), open the terminal of your computer (mac or linux: look for "Terminal"; windows: look for "Command Prompt"). Then type the following in your terminal:

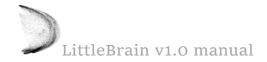
If using mac or linux, type this in the terminal: docker run --rm -p 8888:8888 xaviergp/littlebrain_v1

If using windows, type this in the terminal: docker.exe run --rm -p 8888:8888 xaviergp/littlebrain_v1

3.3 - Copy the password that has been generated after the word "token" shown in your terminal (shown in red in the image below).

```
/root/matlab/startup.m does not exist ... creating
ome packages in this Docker container are non-free
If you are considering commercial use of this container, please consult the relevant
https://fsl.fmrib.ox.ac.uk/fsl/fslwiki/Licence
I xx:xx:xx.xxx NotebookApp] Writing notebook server cookie secret to
root/.local/share/jupyter/runtime/notebook_cookie_secret
[I xx:xx:xx.xxx NotebookApp] Serving notebooks from local directory: /src
[I xx:xx:xx.xxx NotebookApp] 0 active kernels
[I xx:xx:xx.xxx NotebookApp] The Jupyter Notebook is running at:
                                                                                                      Copy this
I xx:xx:xx.xxx NotebookApp]
                                                                                                      password
http://62136cb37e2d:8888/?token=<mark>72c3aa5b5d18320d2gf5a1fa2beof5db7030ba7fb48c1370</mark>
[I xx:xx:xx.xxx NotebookApp] Use Control-C to stop this server and shut down all
ernels (twice to skip confirmation).
C xx:xx:xx.xxx NotebookApp]
                                                                                                        (not this
    Copy/paste this URL into your browser when you connect for the first time,
                                                                                                        password)
    to login with a token:
        http://64156cb37e3d:8888/?token=72c3aa5b3d18320d2ff5a2fa2beff5db7040ba7fb48d13
    oken=72c3aa5b3d18320d2ff5a2fa2beff5db7040ba7fb48d1370
```

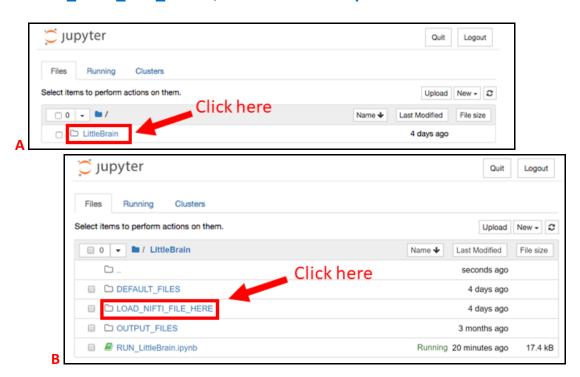
If an error occurs, re-start Docker and repeat step 3 (this will solve the issue if port 8888 is being used by a previously opened jupyter notebook).

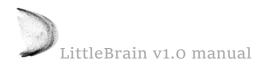


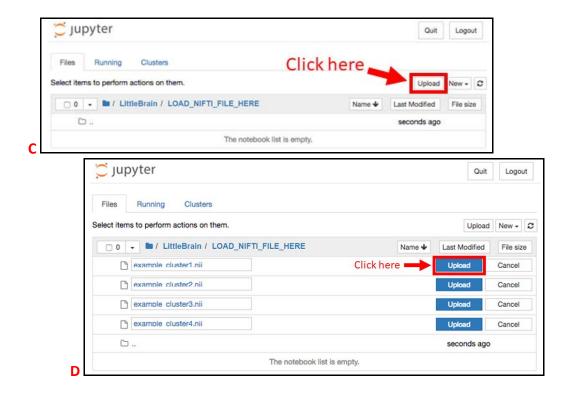
3.4 - Open your internet browser (for example, firefox), type the address "localhost:8888", and copy the password in the text box that will appear:



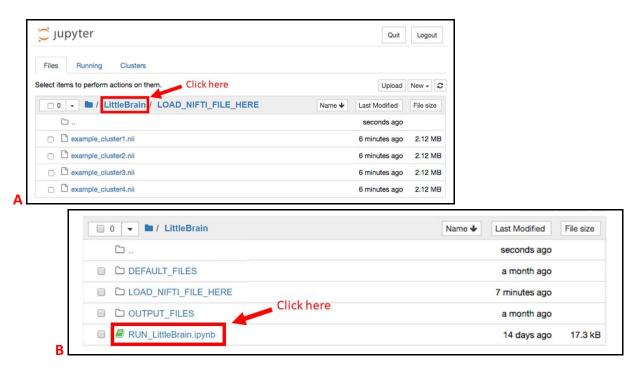
4. To upload the clusters that you want to map, go to "LittleBrain", then go to "LOAD_NIFTI_FILE_HERE", and then click "Upload".

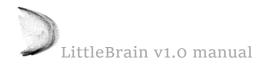




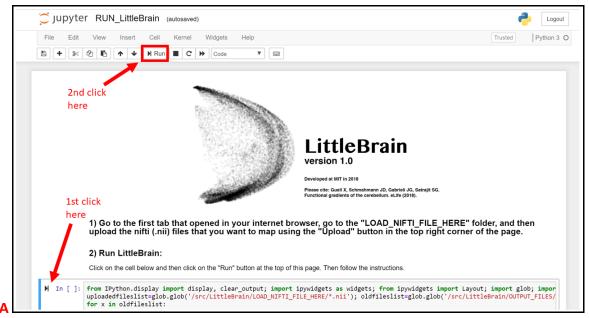


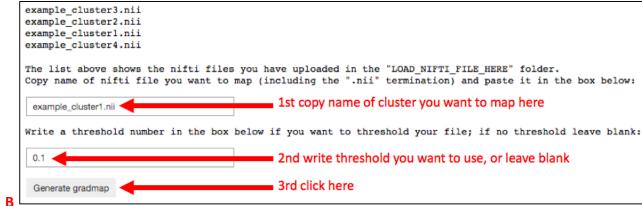
5. To start LittleBrain, go back to the "LittleBrain" folder and click "RUN_LittleBrain"



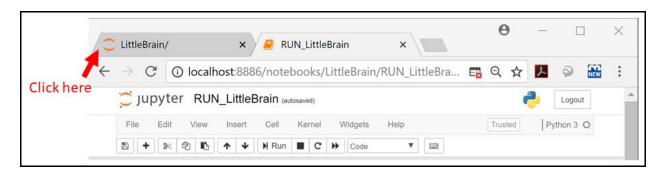


6. Follow the instructions that will appear in the screen.



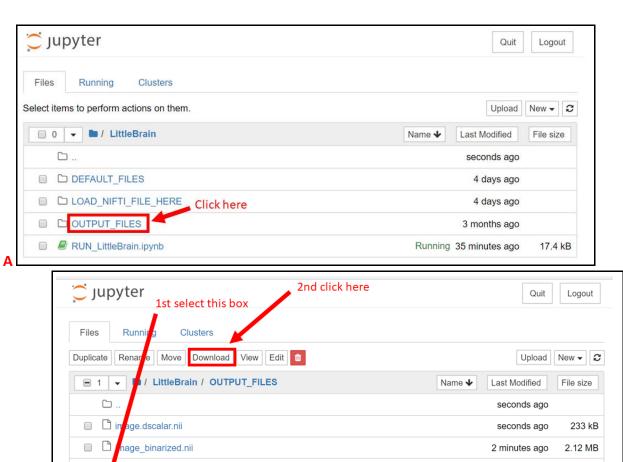


7. To download the scatterplot, go to the other tab that was opened in your browser:





8. Go to the "OUTPUT_FILES" folder, and download "MAP.png":



Questions?

MAP.png

littlebraintoolbox@gmail.com

Or post an issue here:

image_binarized_2mm.nii

image binarized 2mm resized.nii

image_binarized_2mm_resized_cerebellummasked.nii

image_binarized_2mm_resized_cerebellummasked_postsecondFLIRT.nii

https://github.com/xaviergp/littlebrain/issues

2.12 MB

3.61 MB

3.61 MB

3.61 MB

6.16 MB

2 minutes ago

2 minutes ago

2 minutes ago

seconds ago

seconds ago