

NDMG Installation Steps for Windows Users

Set up WSL (Windows Subsystem for Linux)

Purpose: to enable the WSL function on your computer Steps: --- open 'Control Panel' --- click 'Programs' --- click 'Turn Windows features on or off' --- click 'Windows Subsystem for Linux' on --- click 'OK'

Install GUI Xming

Purpose: to install a GUI tool for Linux Subsystem and Ubuntu Notes: There are different kinds of GUIs like VcXsrv, but VcXsrv (Xlaunch) cannot open fsleyes in the following steps, so please do install Xming! Steps: --- open <https://sourceforge.net/projects/xming/> --- click 'Download' --- run 'Xming-[xxxx-version]-setup.exe' --- follow the installation steps and click 'next' on --- complete installation

Install Ubuntu

Purpose: to download Ubuntu as a terminal for your Linux Subsystem Steps: --- open <https://ubuntu.com/download/desktop> and download (version 18.04 recommended) --- launch 'Ubuntu' --- now you can use it as a terminal and install git, lfs, python, pip... Note: check the version of python in Ubuntu, if there is no Python2.7 currently, install it in the terminal:

```
$ sudo apt update
$ sudo apt upgrade
$ sudo apt install python2.7 python-pip
$ sudo apt install python3-pip
```

Install AFNI

Purpose: ndmg use the skull-strip module from AFNI. Steps: Please follow the steps on 'https://afni.nimh.nih.gov/pub/dist/doc/html/doc/background_install/install_instructs/steps_windows10.html'

Install FSL

Purpose: ndmg pipelines use fsl in several steps. Notes: the 'fslinstaller.py' should be run using python2! Steps: --- open '<https://fsl.fmrib.ox.ac.uk/fsl/fslwiki/>' --- click 'Download and Installation' and follow the steps provided

Run the NDMG pipeline

Purpose: to check if the steps above are completed and run the pipeline for the first time! Steps:

```
git clone https://github.com/neurodata/ndmg.git
cd ndmg; git checkout staging
pip install -r requirements.txt
pip install .
ndmg_bids --atlas desikan </absolute/input/dir> </absolute/output/dir>
```

