### Install python

WSL:

|  |
| --- |
| sudo apt-get update  sudo apt-get upgrade  cd ~ mkdir Downloads wget https://repo.anaconda.com/archive/Anaconda3-2019.10-Linux-x86\_64.sh  bash Anaconda3-2019.10-Linux-x86\_64.sh -b  export PATH='$HOME/anaconda3/bin:$PATH' echo PATH='$HOME/anaconda3/bin:$PATH' >> ~/.bashrc  which python |

Mac:

|  |
| --- |
| cd ~ wget https://repo.anaconda.com/archive/Anaconda3-2019.10-MacOSX-x86\_64.sh bash Anaconda3-2019.10-MacOSX-x86\_64.sh -b  export PATH='$HOME/anaconda3/bin:$PATH' echo PATH='$HOME/anaconda3/bin:$PATH' >> ~/.bash\_profile  which python |

### Configure git

|  |
| --- |
| git config --global user.name "John Doe" git config --global user.email johndoe@example.com git config --global alias.co checkout git config --global alias.br branch git config --global alias.ci commit git config --global alias.st status |

### Create project on github

|  |
| --- |
| ssh-keygen # don’t enter anything, just keep pressing Enter cat ~/.ssh/id\_rsa.pub |

Copy the public key and add it to github (settings -> SSH and GPG keys)

Create project on Github (name, license, README file)

|  |
| --- |
| mkdir repos cd repos git clone [git@github.com](mailto:git@github.com):<USERNAME>/lambdata\_<USERNAME>.git  cd lambdata\_<USERNAME>  ls -al  which pip |

### Create virtual environment

|  |
| --- |
| pip install pipenv which pipenv pipenv shell which python # check that it is a virt env python pipenv install numpy pandas  pipenv install twine -dev |

### Develop package

When in git repository directory:

|  |
| --- |
| mkdir lambdata\_<USERNAME> cd lambdata\_<USERNAME> touch \_\_init\_\_.py vim \_\_init\_\_.py |

Edit \_\_init\_\_.py

Go to python shell

Try importing your package

Windows users. Fix permissions:

|  |
| --- |
| sudo chown <USERNAME>:<USERNAME> <file created outside of WSL> |

|  |
| --- |
| git status git add \* git status git commit -m "your message" git push |

### Publishing package on Test PyPI

|  |
| --- |
| wget https://pastebin.com/raw/tRmjhtUy -O setup.py |

Edit Project Name and Author

python setup.py sdist bdist\_wheel

tar tzf dist/lambdata-0.0.1.tar.gz

twine check dist/\*

git add setu.py

git commit -m “add setup.py”

git push

twine upload --repository-url https://test.pypi.org/legacy/ dist/\*