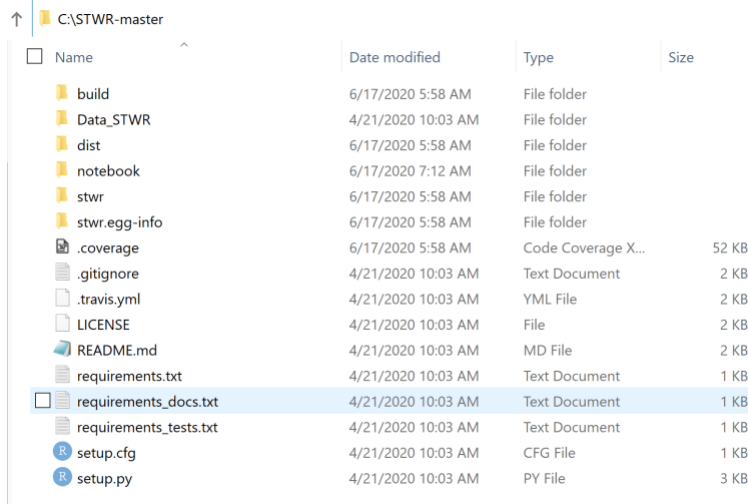
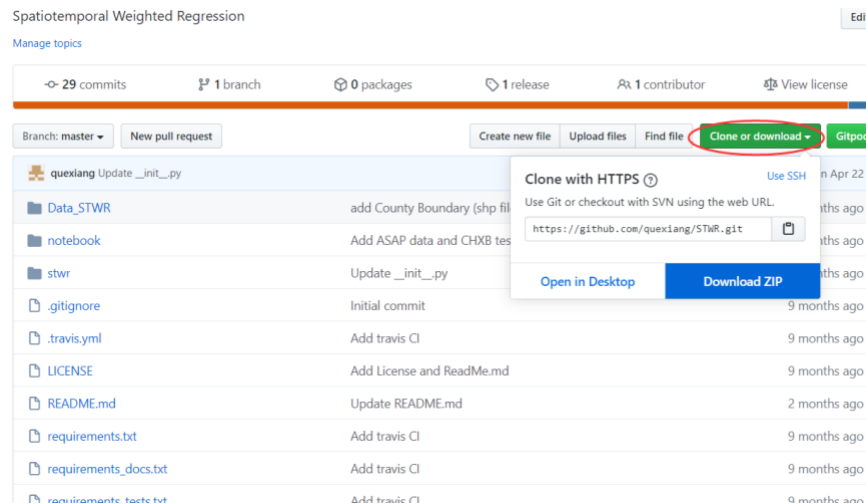
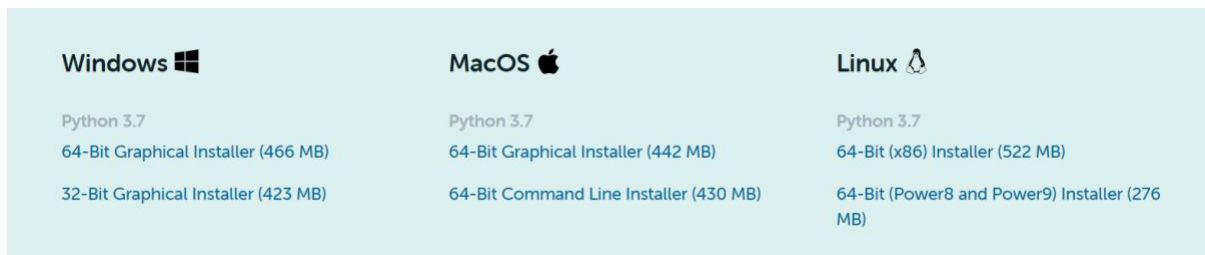


Step 1. Download STWR python package from <https://github.com/quexiang/STWR> and extract it to a specified folder. Here we extract it to, “C:\STWR-master”.

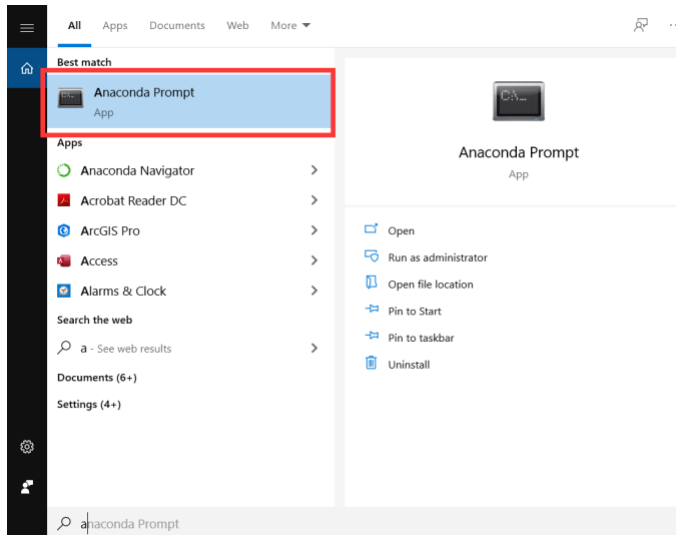


Step 2. Download and install Anaconda from <https://www.anaconda.com/products/individual>

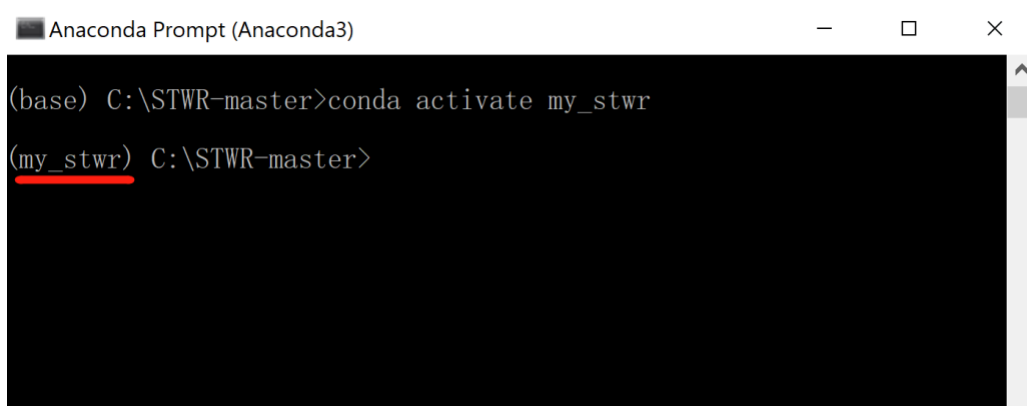


Step 3. Create an environment for running the tests.

(1) Open the Anaconda Prompt (Terminal for **Mac** user) and run the following scripts:

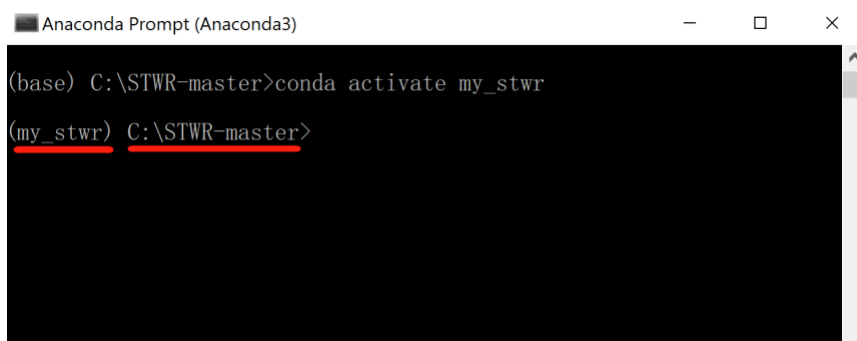


```
conda create --name my_stwr python=3.7  
conda activate my_stwr
```



Step 4. Install required packages by running the following commands (Please make sure you are in the “my\_stwr” environment):

(1) Change current path by execute “**cd C:\STWR-master**”, make sure you are in the right environment and path.

A screenshot of an Anaconda Prompt window. The title bar reads "Anaconda Prompt (Anaconda3)". The terminal shows the command `(base) C:\STWR-master>conda activate my_stwr` being executed. The prompt then changes to `(my_stwr) C:\STWR-master>`, with `(my_stwr)` and `C:\STWR-master` underlined in red.

(2) Execute the following commands:

```
conda install --yes pip  
pip install -r requirements.txt  
pip install -r requirements_tests.txt
```

Step 5. Install STWR package

```
python setup.py sdist  
python setup.py install  
nosetests --verbose --with-coverage --cover-package=stwr
```

Step 6. Install other packages list below for the Demo tests (make sure in the “`my_stwr`” environment)

```
pip install geopandas  
pip install rasterio  
pip install matplotlib
```

Step 6. (if there is Error in step 6), run:

```
pip install wheel  
pip install pipwin
```

```
pipwin install pandas  
pipwin install shapely  
pipwin install gdal  
pipwin install fiona  
pipwin install pyproj  
pipwin install six  
pipwin install rtree  
pip install geopandas  
pipwin install rasterio  
pip install matplotlib
```

Step 7 (Optional). Check the packages are installed

Execute the command “`conda list`” to check the packages installed in the environment “`my_stwr`”.

- 1.scipy>=0.11
- 2.numpy>=1.3
- 3.libpysal>=4.0.0
- 4.spglm>=1.0.6
- 5.coverage
- 6.coveralls
- 7.pandas
- 8.stwr
- 9.geopandas
- 10.matplotlib
- 11.rasterio

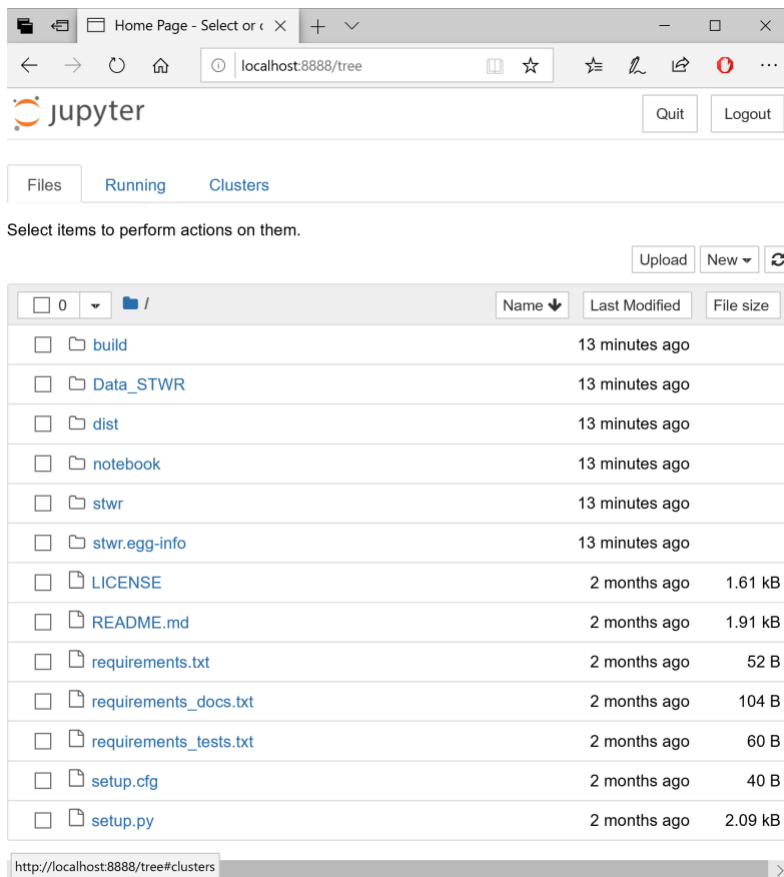
Step 8. Install jupyter notebook by running:

***pip3 install jupyter***

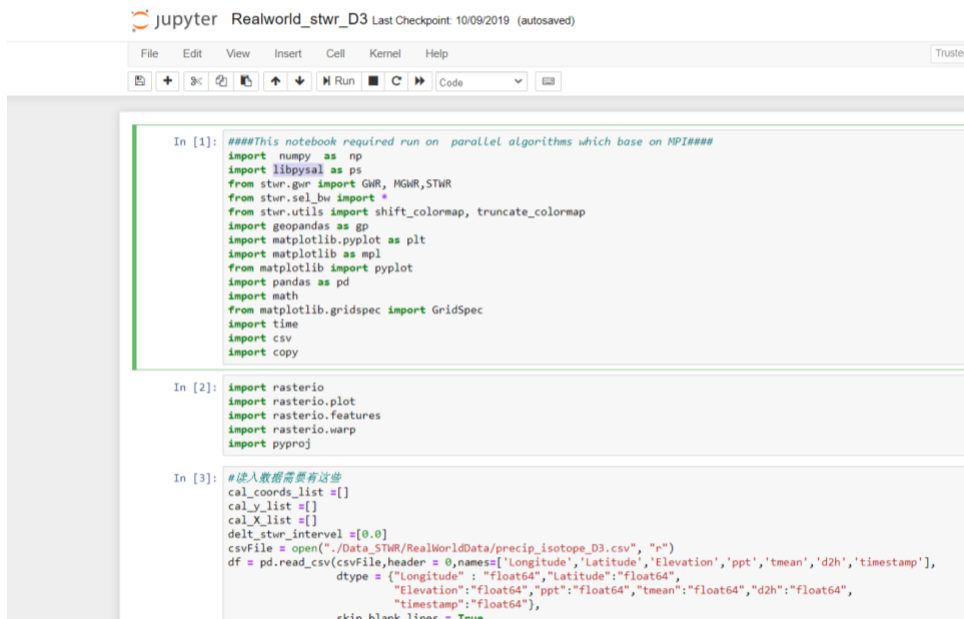
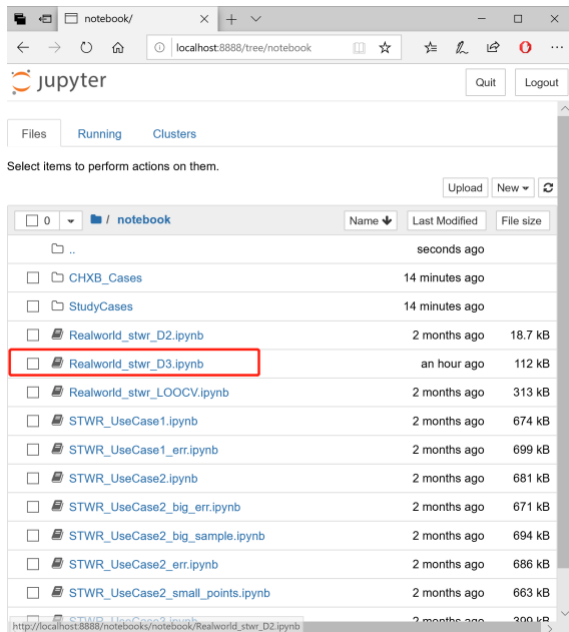
Step 9. open jupyter notebook by running:

***jupyter notebook***

Then a browser will be opened and show the files in the STWR-master folder.



click the “notebook” folder and open the file “Realworld\_stwr\_D3.ipynb”



June 17, 2020

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