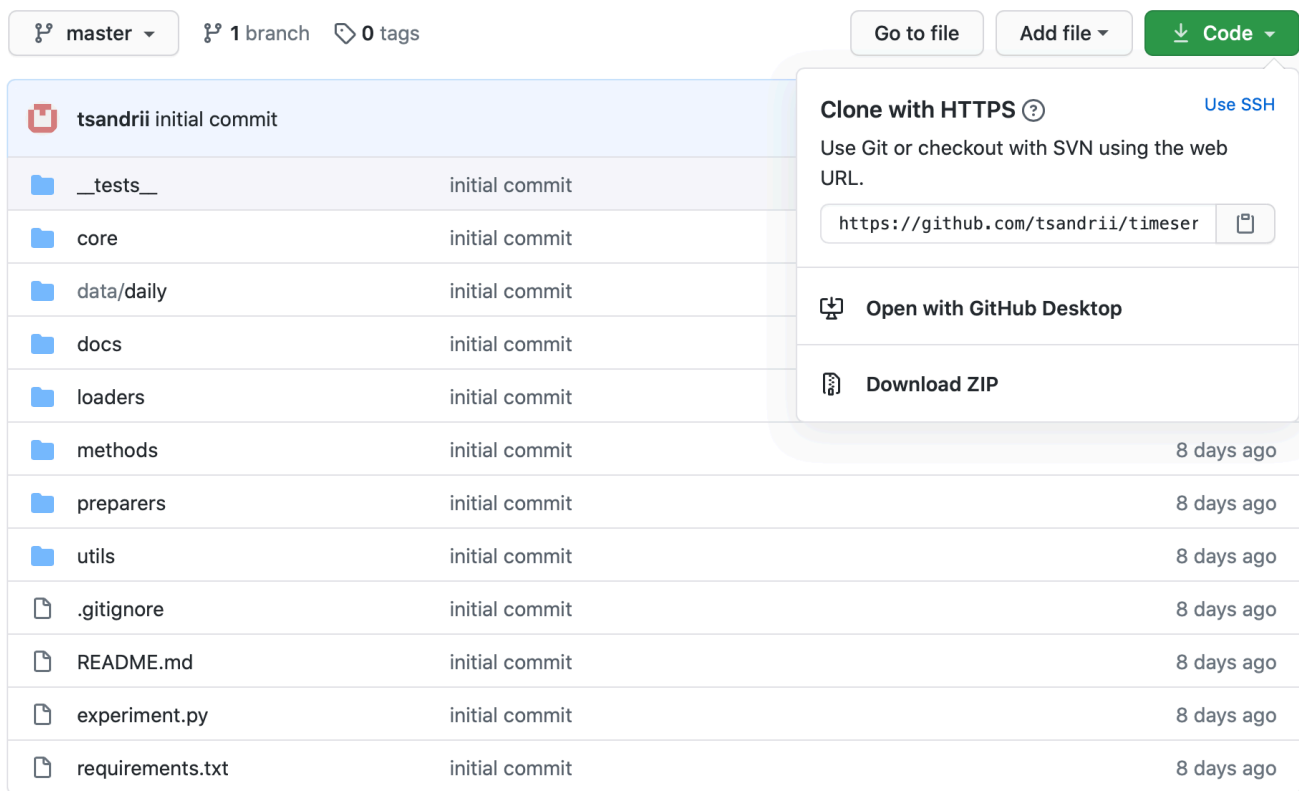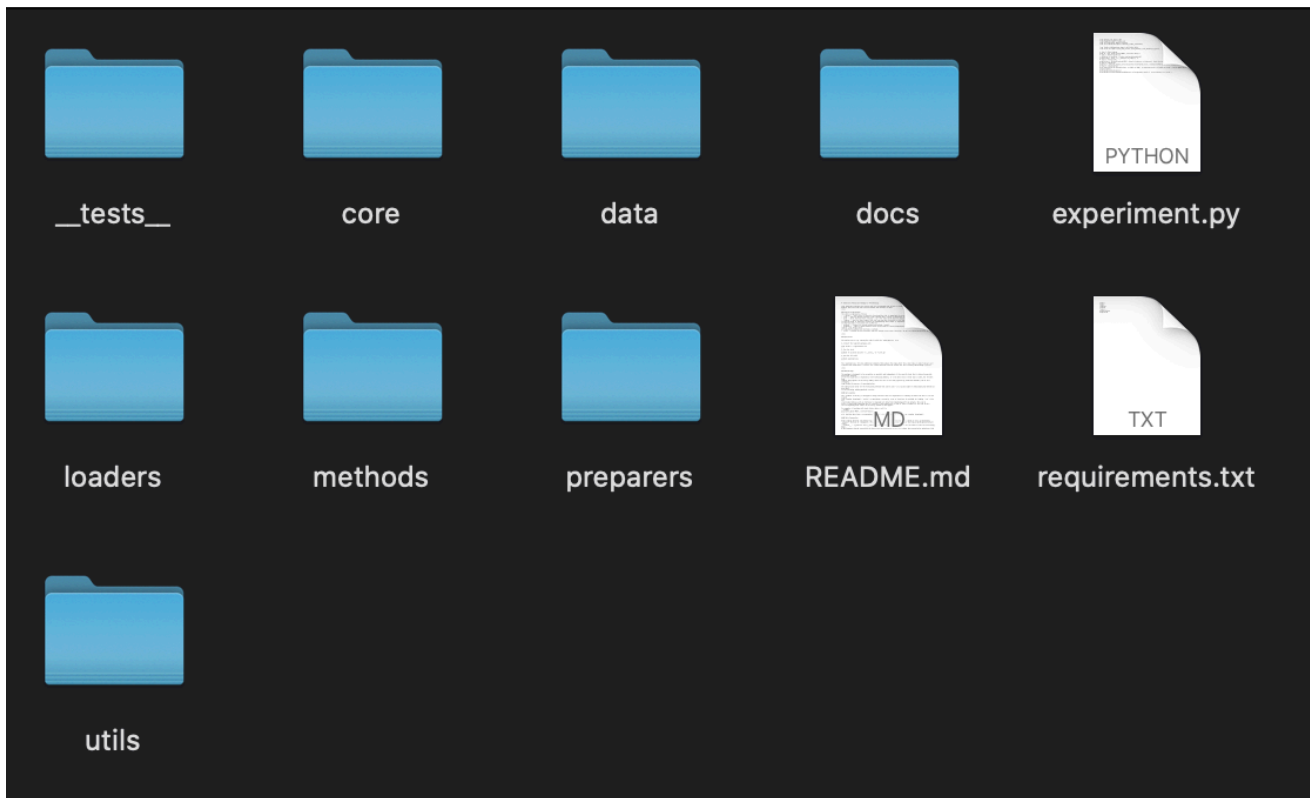# timeseries-with-thresholding Set-Up Directions

The following are directions to set-up and ensure the OS has the necessary pre-requisites to run the code. Python and the pip package manager are the only high-level pre-requisites.

1. Download the source code from GitHub by clicking the `Download ZIP` from `Code` dropdown. Image:

2. Unzip the file into a folder, and optionally move whenever convinient. The folder will be called `timeseries-with-thresholding-master`. Opening the folder should contain these files:

3. Using terminal, navigate to the `timeseries-with-thresholding-master` directory (folder) whereever it is. When inside the folder, typing `ls` should result in the following output which would mean that all the files are there. Image:

```
README.md        __tests__        core        data        docs        experiment.py    loaders        methods        preparers        requirements.txt utils
```

4. Make sure that Python is installed by running `python -v`. The output to console should be the version number.

5. Make sure that pip package manager for Python is installed by running `pip -v`. The output to console should be the version number. If not, there are multiple ways of installing it depending on system. Some links:

- https://stackoverflow.com/questions/34573159/how-to-install-pip3-on-my-mac
- https://pip.pypa.io/en/stable/installing/
- https://stackoverflow.com/questions/41501636/how-to-install-pip3-on-windows

6. If Python and the pip package manager are installed, can proceed to the directions as described in this Quickstart

7. The first step of Quickstart will use pip package manager to automatically install more required packages from the `requirements.txt` file which specifies which packages should be installed.

- The command is `pip install -r requirements.txt` or `pip3 install -r requirements.txt`

8. The second step is an optional step to run the tests

- The command is `python -m unittest discover -s __tests__ -p '*_test.py'` or `python3 -m unittest discover -s __tests__ -p '*_test.py'`

9. The third step is the step that runs the example file, and should run correctly if step 7 has succeded and all of the packages have been installed

- The command is `python experiment.py` or `python3 experiment.py`