Stone Soup Tutorial Preparation

Installation

For those who already have Python/Jupyter, and if you are familiar with Python/Jupyter, you can install Stone-Soup directly via *pip*, or *conda*, as applicable. E.g.:

```
python -m pip install stonesoup
```

or

```
conda config --add channels conda-forge
conda install stonesoup
```

For those unfamiliar with Python, instructions are below for setting up on Windows.

1. First download Python from http://www.python.org
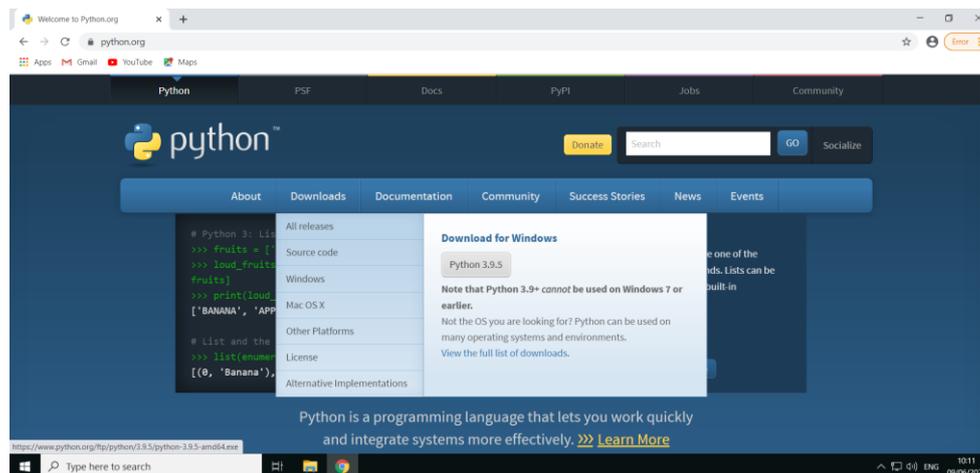
2. When then running installer, ensure to enable the "Add Python to PATH" option, highlighted below.
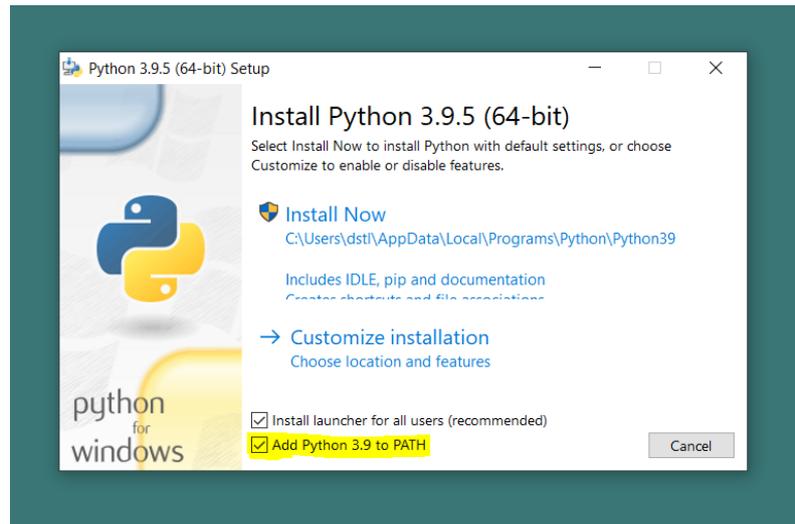
3. Once installed, open a command window, and run: `python -m venv Stone-Soup`. This will create a virtual environment for installing Stone Soup.

4. Next activate the virtual environment by running: `Stone-Soup\Scripts\activate`
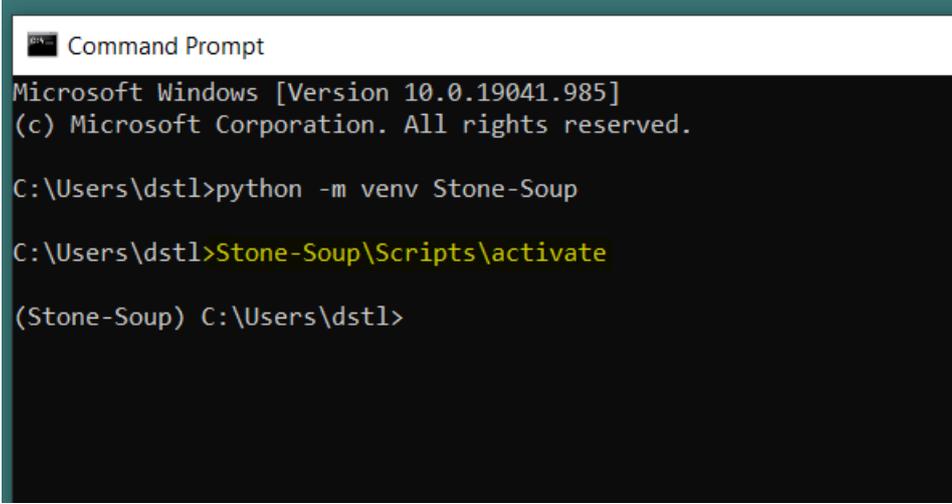
5. With the environment activated, now install Stone Soup, and Jupyter for using the notebooks, with: `pip install stonesoup jupyter`

6. With everything installed, you can now run Jupyter with: `python -m jupyter notebook`. This should open the Jupyter environment in your web browser.

Once installed, you can run up the Jupyter/Stone Soup environment again, just by using steps 4. and 6.

Stone Soup Notebooks

The Stone Soup tutorial notebooks can be downloaded from https://stonesoup.rtfd.io, where there should be *tutorials* option on the left hand side menu.

At the bottom of the page, you should find a *download all examples in Jupyter notebooks* option:
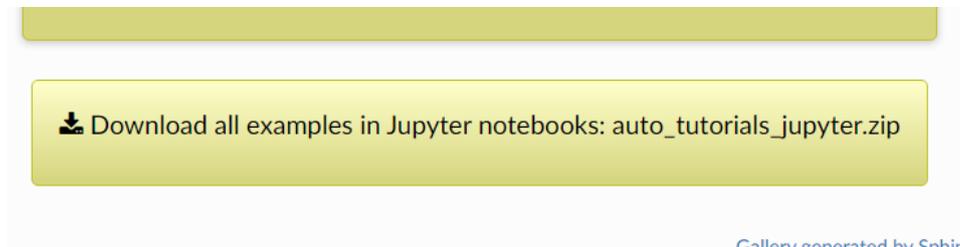
Extract out the ZIP file once download, and via Jupyter, browse to the folder via Jupyter interface in the web browser.
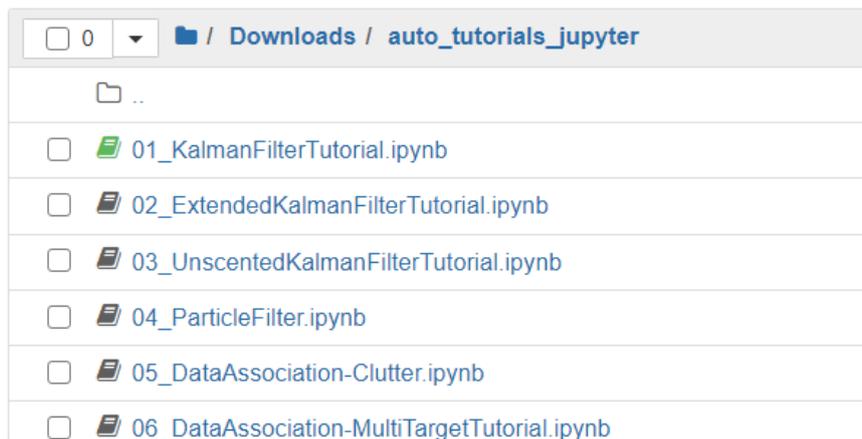
Click on one of the tutorials, and click the double right arrows (highlighted below) to restart and run all the cells in the notebook. A number of plots should be produced. This will confirm everything is working.