Map-tools under Windows

Installation:

Python

- Download and run the installer here, ticking the `Add Python to the PATH` box when the installation starts.

Git

- Download and run the installer here, accepting all default options.

Poetry

- From the Windows' Start menu, run `Git/Git CMD`.
- Within the command window, verify Python and git have been installed by giving the commands:

```
git --version

python --version
```

- You should see something like:

```
C:\Users\Dave>git --version
git version 2.35.1.windows.2

C:\Users\Dave>python --version
Python 3.10.2
```

- Now run:

```
python -m pip install poetry
```

Map-tools

- Give the command:

```
git clone https://github.com/AnatomicMaps/map-tools.git
```

- followed by:

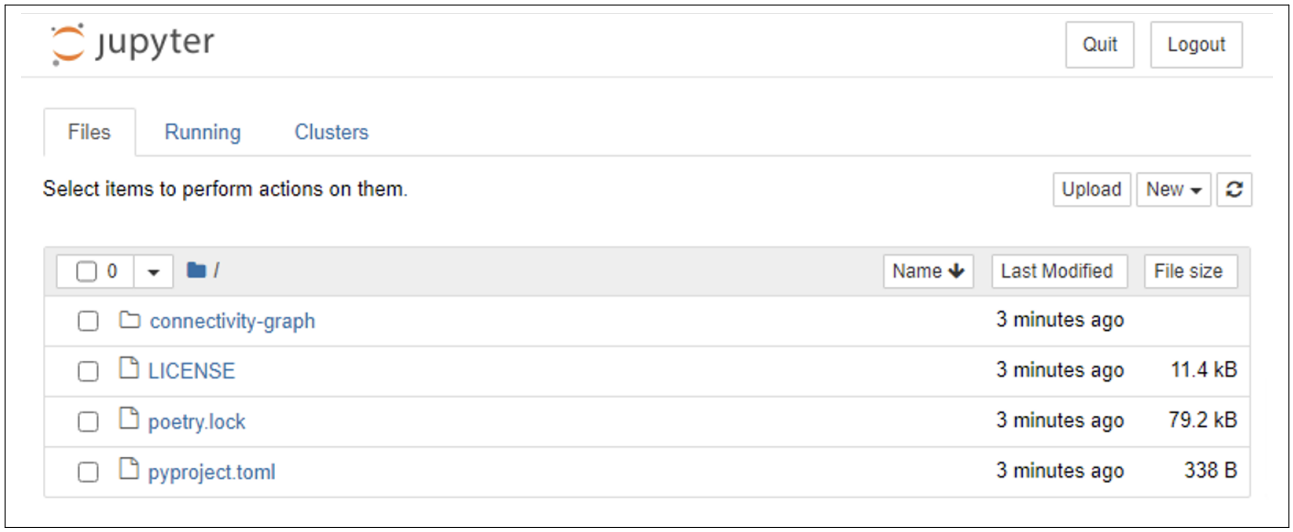
```
cd map-tools

poetry install
```

Running

From the `Git CMD` prompt and in the `map-tools` directory (which is where you are after the above installation process) start the Jupyter notebook server with:

```
poetry run jupyter notebook
```

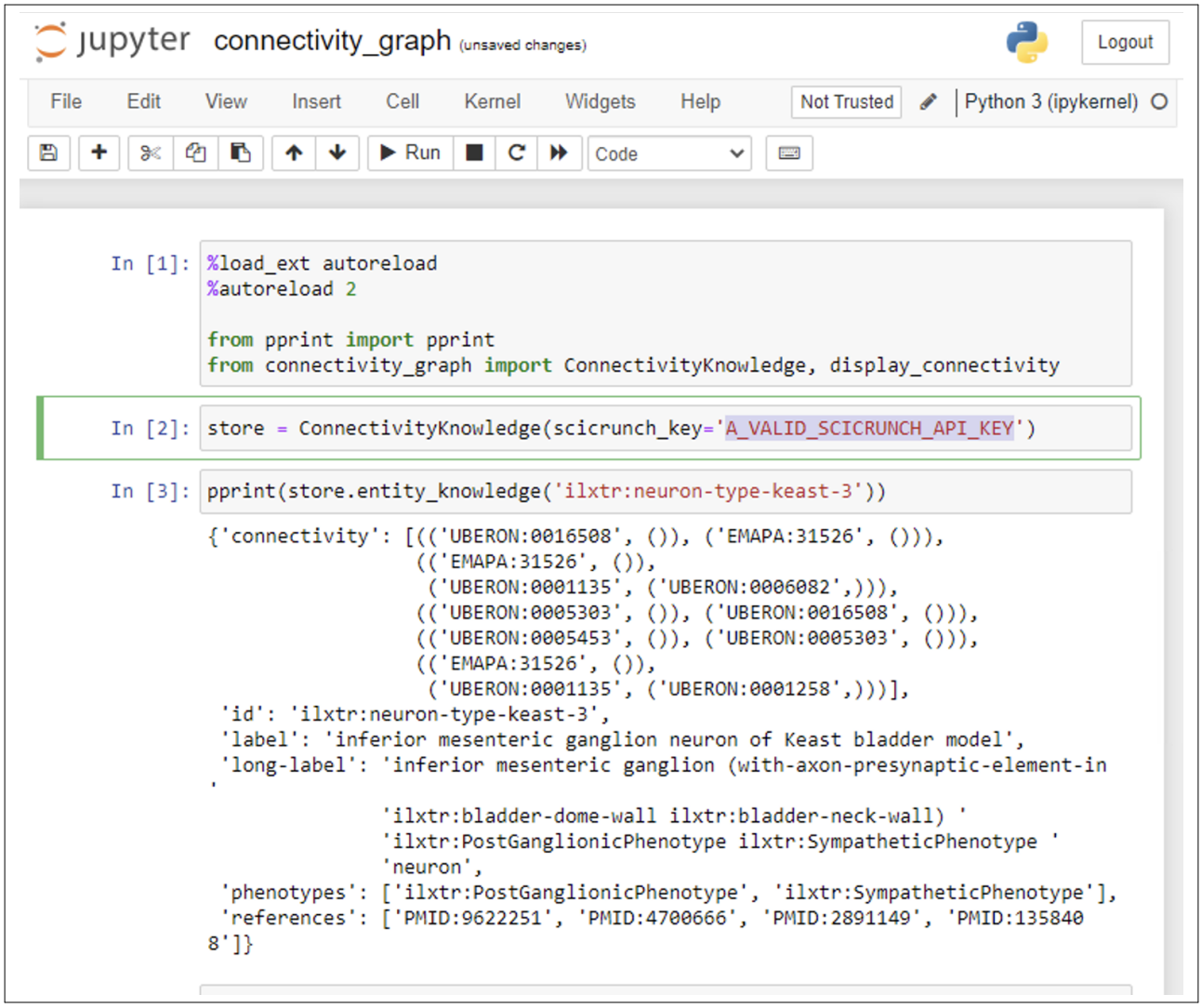
A browser window should open which should eventually show:



Click on `connectivity-graph` to get:

Click on `connectivity_graph.ipynb` to get:

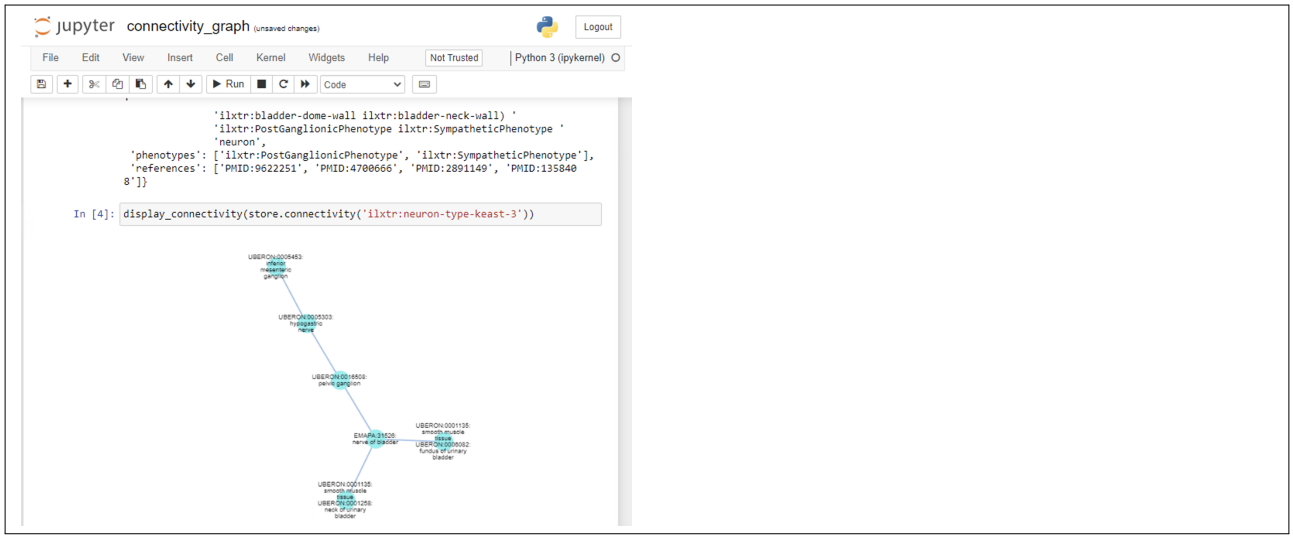
Click Run in the toolbar to execute the code in the first cell to get:



Replace `A_VALID_SCICRUNCH_API_KEY` with an actual API key for SciCrunch and click `Run` to execute code in this cell.

The cell number will briefly change to `[*]` to indicate that code is running and change back to a number when execution is complete. Click `Run` after a cell's code has finished to execute code in the following cell.

The result after the final two cells have been run should be like:



and:

```
{'id': 'ilxtr:neuron-type-aacar-12',
 'models': 'ilxtr:neuron-type-aacar-12'},
{'id': 'ilxtr:neuron-type-aacar-10a',
 'models': 'ilxtr:neuron-type-aacar-10a'},
{'id': 'ilxtr:neuron-type-aacar-8v',
 'models': 'ilxtr:neuron-type-aacar-8v'},
{'id': 'ilxtr:neuron-type-aacar-2i',
 'models': 'ilxtr:neuron-type-aacar-2i'},
{'id': 'ilxtr:neuron-type-aacar-9v',
 'models': 'ilxtr:neuron-type-aacar-9v'},
{'id': 'ilxtr:neuron-type-aacar-6',
 'models': 'ilxtr:neuron-type-aacar-6'},
{'id': 'ilxtr:neuron-type-aacar-5',
 'models': 'ilxtr:neuron-type-aacar-5'},
{'id': 'ilxtr:neuron-type-aacar-7a',
 'models': 'ilxtr:neuron-type-aacar-7a'},
{'id': 'ilxtr:neuron-type-aacar-8a',
 'models': 'ilxtr:neuron-type-aacar-8a'}]}
```