

Running the code

My program runs in Jupyter Notebook, here are the instructions on how to run the code:

The Jupyter Notebook App can be launched by clicking on the Jupyter Notebook icon installed by Anaconda in the start menu (Windows) or by typing in a terminal (cmd on Windows)

- In the Notebook Dashboard navigate to find the notebook: clicking on its name will open it in a new browser tab.
- Cells can be run one at a time by pressing shift + enter
- You can run the whole notebook in a single step by clicking on the menu Cell -> Run All.
- To restart the kernel and start the computation from scratch, click on the menu Kernel -> Restart.

Using different configurations

I have implemented code that can toggle the configurations of the algorithm in cell 5 by setting the value of True and False to the corresponding setting.

neighbours = True

leakylearning = True

harmonicDecay = True

noiseAddition = True

freqSens = True