

This documents have instructions to install Anaconda on your own personal laptop or desktop computer, then verify that IPython/Jupyter Notebook is working. If you do not have a computer, let me know asap.

If you will be using only the lab computers and not your own computer, email Arezoo directly to let her know.

Preliminaries

1. Read the Anaconda QuickStart guide: <https://docs.continuum.io/anaconda/install> (you can install conda or miniconda, I use miniconda and the class uses Python 3.7)
2. Read the Jupyter Notebook overview:

<http://jupyter-notebook.readthedocs.io/en/latest/notebook.html>

3. In Mac you can use the terminal to open jupyter notebook, read: <https://www.techrepublic.com/article/16-terminal-commands-every-user-should-know/>
4. In windows there are three options listed here: <https://pythonforundergradengineers.com/opening-a-jupyter-notebook-on-windows.html>

Anaconda

1. You can check your python environments from the terminal and select one:

```
(/Users/marta/opt/miniconda3) marta-gonzalezs-macbook-pro-3:Lecture1 marta$ conda info --envs
# conda environments:
#
base                    /Users/marta/opt/anaconda3
*                        /Users/marta/opt/miniconda3
                        /Users/marta/opt/miniconda3/envs/skmb
```

```
(/Users/marta/opt/miniconda3) marta-gonzalezs-macbook-pro-3:Lecture1 marta$ conda activate /Users/marta/opt/miniconda3/
```

2. If not installed, download the Anaconda or MiniConda installer for Python 3.7
3. Make sure you download the correct installer for your operating system (Windows, Mac, Linux, etc) and cpu processor(32 or 64 bit). If you don't know if your processor is 32 or 64 bit, Google for how to check it. And make sure you download the installer for Python 3.7, in mac from the terminal write:

```
(/Users/marta/opt/miniconda3) marta-gonzalezs-macbook-pro-3:Lecture1 marta$ getconf LONG_BIT
64
```

4. Run the Anaconda installer.

NetworkX

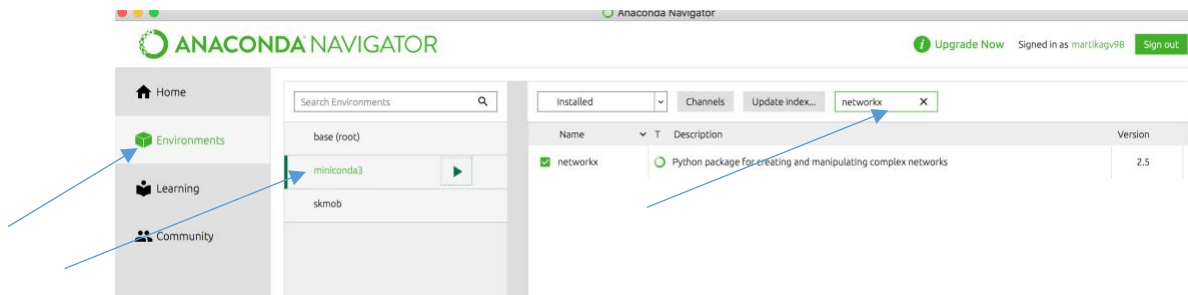
NetworkX: This is package to do network analysis. See here: <https://networkx.github.io/>,

- 1) Install NetworkX

From the Command Line:

```
(/Users/marta/opt/miniconda3) marta-gonzalez-macbook-pro-3:Lecture1 marta$ conda install networkx
```

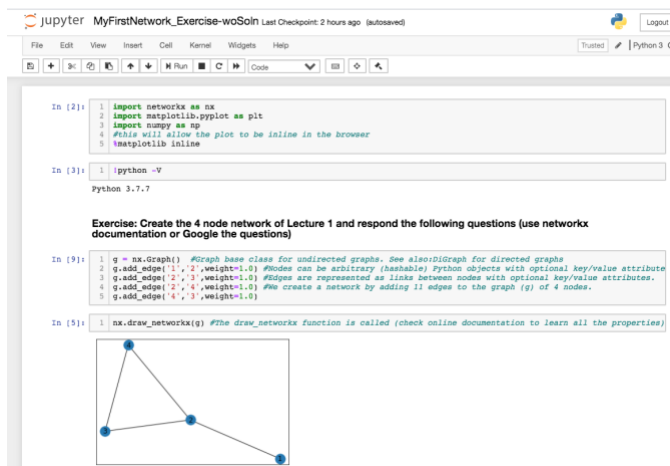
Or from the Anaconda Navigator:



- 2) Open the script: jupyter notebook MyFirstNetwork_ExercisewoSoln.ipynb

```
(/Users/marta/opt/miniconda3) marta-gonzalez-macbook-pro-3:Lec1 marta$ jupyter notebook MyFirstNetwork_Exercise-woSoln.ipynb
```

You should see this in your browser:



Here you can set the default directory for the jupyter notebook in Anaconda:

<https://medium.com/@shanyitan/how-to-change-the-working-directory-of-jupyter-and-jupyter-lab-on-windows-environment-bbe5a5a99f05>