

Thomas Bury
thomas.bury@mcgill.ca

Setup instructions for participants of the CRM-CAMBAM mini-workshop [15 minutes]

Software requirements

- Python 3
- JupyterLab
- Python libraries: pandas, numpy, plotly, dash, jupyter-dash

Installation using Anaconda distribution (recommended)

Anaconda will provide you with Python 3, JupyterLab and the most popular python libraries.

1. Download the latest version of Anaconda from here (64-bit Graphical Installer)
<https://www.anaconda.com/products/individual>.
2. Open the download package and follow the installation instructions.

Now install the following Python libraries by entering the following commands into Terminal (Mac) or Command prompt (PC).

1. Install Plotly with
`conda install plotly`
2. Install Dash with
`conda install dash`
3. Install jupyter-dash with
`conda install -c conda-forge -c plotly jupyter-dash`

Next, boot up JupyterLab and run the test notebook as follows:

1. Open the Anaconda Navigator application.
2. You should be greeted by several panels for different apps to launch. Click the launch button underneath JupyterLab. This will open a JupyterLab session in your web browser.
3. Download the notebook test_notebook.ipynb from the email and save it in a memorable location.
4. Open test_notebook.ipynb in JupyterLab using the file navigator in the left panel.
5. Check that the notebook runs successfully (instructions provided within).

Installation without Anaconda

1. Download the latest version of Python here <https://www.python.org/downloads/>
2. Install JupyterLab with the command
`pip install jupyterlab`
3. Install Plotly with
`pip install plotly`
4. Install Dash with
`pip install dash`
5. Install jupyter-dash with
`pip install jupyter-dash`
6. Boot up Jupyter lab with the command
`jupyter lab`

Then run the test notebook as described for the Anaconda installation.