In [1]:

```
!wget https://bootstrap.pypa.io/get-pip.py
--2018-11-29 05:29:00-- https://bootstrap.pypa.io/get-pip.py (http
s://bootstrap.pypa.io/get-pip.py)
Resolving bootstrap.pypa.io (bootstrap.pypa.io)... 151.101.0.175, 151.
101.64.175, 151.101.128.175, ...
Connecting to bootstrap.pypa.io (bootstrap.pypa.io) | 151.101.0.175 | :44
3... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1661676 (1.6M) [text/x-python]
Saving to: 'get-pip.py'
get-pip.py
                    100%[=========>]
                                                 1.58M --.-KB/s
                                                                    in
0.03s
2018-11-29 05:29:01 (57.8 MB/s) - 'get-pip.py' saved [1661676/1661676]
```

In [2]:

```
!python3 get-pip.py
```

```
Collecting pip
```

In [3]:

```
!pip3 install theano
Collecting theano
  Downloading https://files.pythonhosted.org/packages/4d/b1/d490d88ab4
7f01f367f413bd2e47d86acf92c84157c5172c23903798bd70/Theano-1.0.3.tar.gz
 (https://files.pythonhosted.org/packages/4d/b1/d490d88ab47f01f367f413
bd2e47d86acf92c84157c5172c23903798bd70/Theano-1.0.3.tar.gz) (2.8MB)
                                   2.8MB 5.9MB/s eta 0:00:01
Requirement already satisfied: numpy>=1.9.1 in /opt/conda/lib/python3.
6/site-packages (from theano) (1.13.3)
Requirement already satisfied: scipy>=0.14 in /opt/conda/lib/python3.
6/site-packages (from theano) (1.1.0)
Requirement already satisfied: six>=1.9.0 in /opt/conda/lib/python3.6/
site-packages (from theano) (1.11.0)
Building wheels for collected packages: theano
  Running setup.py bdist wheel for theano ... done
  Stored in directory: /home/jovyan/.cache/pip/wheels/10/82/05/9ef5e43
bfcf906b4810f85f91b09d6daf7ad213d30179defa9
Successfully built theano
Installing collected packages: theano
Successfully installed theano-1.0.3
In [4]:
!git clone https://github.com/CurtinIC/pawsey interns ml.git
Cloning into 'pawsey interns ml'...
remote: Enumerating objects: 310, done.
remote: Counting objects: 100% (310/310), done.
remote: Compressing objects: 100% (301/301), done.
remote: Total 310 (delta 7), reused 304 (delta 6), pack-reused 0
Receiving objects: 100% (310/310), 46.55 MiB | 9.00 MiB/s, done.
Resolving deltas: 100% (7/7), done.
```

In [5]:

```
!pip3 install glob2
```

Collecting glob2

Downloading https://files.pythonhosted.org/packages/f0/e8/970c7a031b
2d7f9a21fefaa8c9d5c38001f8f25055f4ffcb32b3dbecd1ea/glob2-0.6.tar.gz (h
ttps://files.pythonhosted.org/packages/f0/e8/970c7a031b2d7f9a21fefaa8c
9d5c38001f8f25055f4ffcb32b3dbecd1ea/glob2-0.6.tar.gz)
Building wheels for collected packages: glob2
Running setup.py bdist_wheel for glob2 ... done
Stored in directory: /home/jovyan/.cache/pip/wheels/1b/31/14/5a25a14
e933674d8636bcc42af811c7eb87ea8f6e947c17273
Successfully built glob2
Installing collected packages: glob2
Successfully installed glob2-0.6

In [6]:

```
!pip3 install plotly==3.3.0
```

```
Collecting plotly==3.3.0
```

Downloading https://files.pythonhosted.org/packages/d6/3b/abec247e24 e2b8f29793811788fe0607062f40eefe3104823ad57f06ecf1/plotly-3.3.0-py2.py 3-none-any.whl (https://files.pythonhosted.org/packages/d6/3b/abec247e 24e2b8f29793811788fe0607062f40eefe3104823ad57f06ecf1/plotly-3.3.0-py2.py3-none-any.whl) (37.3MB)

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```

Requirement already satisfied: pytz in /opt/conda/lib/python3.6/site-p ackages (from plotly==3.3.0) (2018.7)

Requirement already satisfied: requests in /opt/conda/lib/python3.6/si te-packages (from plotly==3.3.0) (2.20.1)

Requirement already satisfied: six in /opt/conda/lib/python3.6/site-pa ckages (from plotly==3.3.0) (1.11.0)

Collecting retrying>=1.3.3 (from plotly==3.3.0)

Downloading https://files.pythonhosted.org/packages/44/ef/beae4b4ef8 0902f22e3af073397f079c96969c69b2c7d52a57ea9ae61c9d/retrying-1.3.3.tar. gz (https://files.pythonhosted.org/packages/44/ef/beae4b4ef80902f22e3a f073397f079c96969c69b2c7d52a57ea9ae61c9d/retrying-1.3.3.tar.gz)

Requirement already satisfied: decorator>=4.0.6 in /opt/conda/lib/pyth on3.6/site-packages (from plotly==3.3.0) (4.3.0)

Requirement already satisfied: nbformat>=4.2 in /opt/conda/lib/python 3.6/site-packages (from plotly==3.3.0) (4.4.0)

Requirement already satisfied: chardet<3.1.0,>=3.0.2 in /opt/conda/lib/python3.6/site-packages (from requests->plotly==3.3.0) (3.0.4)

Requirement already satisfied: certifi>=2017.4.17 in /opt/conda/lib/py thon3.6/site-packages (from requests->plotly==3.3.0) (2018.10.15)

Requirement already satisfied: urllib3<1.25,>=1.21.1 in /opt/conda/li

```
b/python3.6/site-packages (from requests->plotly==3.3.0) (1.23)
Requirement already satisfied: idna<2.8,>=2.5 in /opt/conda/lib/python
3.6/site-packages (from requests->plotly==3.3.0) (2.7)
Requirement already satisfied: ipython genutils in /opt/conda/lib/pyth
on3.6/site-packages (from nbformat>=4.2->plotly==3.3.0) (0.2.0)
Requirement already satisfied: traitlets>=4.1 in /opt/conda/lib/python
3.6/site-packages (from nbformat>=4.2->plotly==3.3.0) (4.3.2)
Requirement already satisfied: jsonschema!=2.5.0,>=2.4 in /opt/conda/l
ib/python3.6/site-packages (from nbformat>=4.2->plotly==3.3.0) (3.0.0a
3)
Requirement already satisfied: jupyter core in /opt/conda/lib/python3.
6/site-packages (from nbformat>=4.2->plotly==3.3.0) (4.4.0)
Requirement already satisfied: attrs>=17.4.0 in /opt/conda/lib/python
3.6/site-packages (from jsonschema!=2.5.0,>=2.4->nbformat>=4.2->plotly
==3.3.0) (18.2.0)
Requirement already satisfied: pyrsistent>=0.14.0 in /opt/conda/lib/py
thon3.6/site-packages (from jsonschema!=2.5.0,>=2.4->nbformat>=4.2->pl
otly==3.3.0) (0.14.6)
Building wheels for collected packages: retrying
  Running setup.py bdist wheel for retrying ... done
  Stored in directory: /home/jovyan/.cache/pip/wheels/d7/a9/33/acc7b70
9e2a35caa7d4cae442f6fe6fbf2c43f80823d46460c
Successfully built retrying
Installing collected packages: retrying, plotly
Successfully installed plotly-3.3.0 retrying-1.3.3
```

In []: