**DS Lab Instruction for first lab:**

1. Login to student
2. Open Terminal and enter **bash**
3. Find the version of python

**python –version** (work with python 3…if not installed try to install))

1. To download latest version of python :

**sudo apt-get install python3.pip** (This will install pip - package installer for python)

1. To update

**sudo apt-get update**

1. To install pandas

**pip3 install pandas**

**pip3 install numpy**

Note: Check you have python3 or older version. If it is older version update it to python 3

1. To install matplotlib

**sudo apt-get install python3-matplotlib**

1. Execution - Use command:

In prompt type:

**$ gedit prog1.py**

Type your code and save it. Then

**$ python3 prog1.py** andcheck your output

**Important for labs**

**import pandas as pd**

**import numpy as np**

**import** **matplotlib.pyplot** **as** **plt**

**Get PWD in python**

import os

cwd = os.getcwd()

print(cwd)

sudo apt install python3-pandas

sudo apt install imagemagick-6.q16