

# IE 555 – Programming for Analytics

## Homework #1 – Installing Software and Obtaining a GitHub Account

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The purpose of this first homework assignment is to make sure you have the required software packages installed on your computer.

**It is important that you follow these instructions exactly.** In particular, you need to install the correct version of each software package.

## Grading

- This is an un-graded assignment.

## Assignment Details

You will need to accomplish the following three (3) tasks:

1. Install **Anaconda3**. The Anaconda package includes numerous software packages, including IPython, Jupyter notebooks, and Python 3.8.
  - (a) Visit <http://anaconda.com/download> and choose your operating system (e.g., Windows, macOS, or Linux).
  - (b) Download the graphical installer for the **Python 3.8** Version.  
*DO NOT install the 2.7 version.*
  - (c) See <https://docs.anaconda.com/anaconda/install> for detailed installation instructions relevant to your operating system.
    - NOTE: Use **Anaconda3** (for Python 3.8). If you see references to Anaconda2, replace the “2” with a “3”.
2. Obtain a GitHub student account.
  - Visit this site to create a github account (using your UB email address):  
[https://education.github.com/discount\\_requests/new](https://education.github.com/discount_requests/new)
  - Choose **Student** and **Individual Account**.
  - When you are done, **send the teaching assistant, Lan Peng, an email** with your github username. His address is [lanpeng@buffalo.edu](mailto:lanpeng@buffalo.edu).
3. Open a terminal window and type the following five (5) commands:
  - (a) `conda --version`
  - (b) `ipython --version`

- (c) `jupyter --version`
- (d) `python --version`
- (e) `python3 --version`

You should have Python version 3.8. $x$ , where  $x \geq 1$ . (I created this document several months ago...the precise version number changes over time.)

Make note of any commands that don't work. We'll discuss in class on Thursday.

```
~:$ conda --version
conda 4.5.12
~:$ ipython --version
7.2.0
~:$ jupyter --version
4.4.0
~:$ python --version
Python 3.7.1
~:$ python3 --version
Python 3.7.1
~:$ █
```