

# IE 555 – Programming for Analytics

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

**Due Wednesday, January 29, by 1:00pm**

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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. We will be writing code in class, so you will need to bring your computer to class each day.

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

## Grading

- If you correctly submit your homework by the due date, you will have earned 100 points (the maximum score) on this assignment.
- The TA will notify you if your submission has any errors. In such a case, you will need to re-submit your assignment.
  - Each re-submission of your assignment will result in a 10-point deduction.

## Assignment Details

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

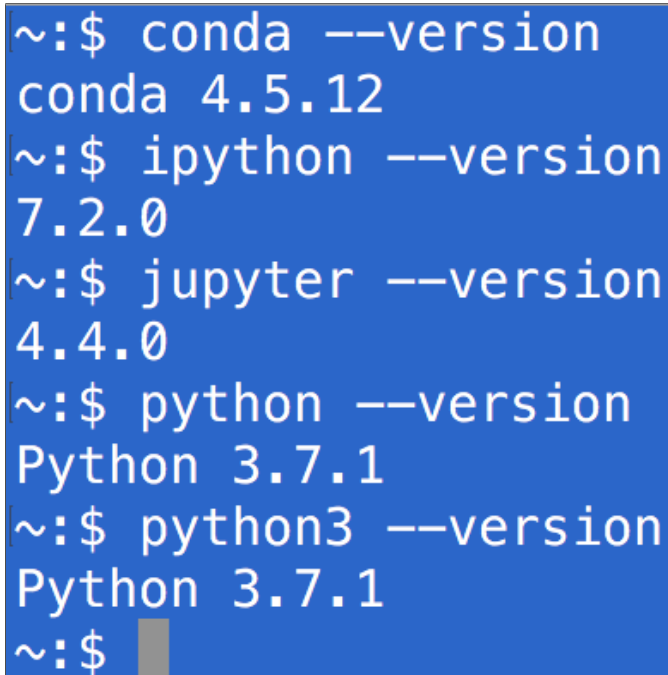
1. Install **Anaconda3**. The Anaconda package includes numerous software packages, including IPython, Jupyter notebooks, and Python 3.7.
  - (a) Visit <http://anaconda.com/download> and choose your operating system (e.g., Windows, macOS, or Linux).
  - (b) Download the graphical installer for the **Python 3.7** 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 3.7). 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**.

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

When you're done, take a screenshot of your terminal window. Here's a copy of my **old** screenshot (*your version numbers may be slightly updated*):



```
~:$ 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
~:$ █
```

## Submitting Your Assignment

Send an email, with a subject of “IE 555 Homework 1” to the course TA (Carter Mann, cjmnn3@buffalo.edu) using the following template:

Dear Carter,

1. The output of `conda --version` is:  
[provide the output of this command here.]

2. The output of `ipython --version` is:  
[provide the output of this command here]

3. The output of `jupyter --version` is:  
[provide the output of this command here]

4. The output of `python --version` is:  
[provide the output of this command here]

5. The output of `python3 --version` is:  
[provide the output of this command here]

6. The UB email address associated with my GitHub student account is:  
[provide your UB email address here]

7. My GitHub username is:  
[provide your GitHub username here]

A screenshot showing the results of the above terminal commands is attached.  
[be sure to include the attachment]

Regards,  
[Your Name]