**Getting Started with Python**

**Predictive Analytics with Python**

Developed for:

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*Install Anaconda*

* Go to the following link: <https://www.continuum.io/downloads>
* Follow instructions for your system (Mac, Windows, Linux) to install the **Python 2.7** version of Anaconda
  + The file is approximately 300-500 MB so it may take a while to download in the class period; additionally the file takes a while to install
  + Please be sure to do this prior to class to maximize time learning Python
* Review the following tutorials if you’re interested in investigating Conda more:
  + [*http://conda.pydata.org/docs/get-started.html*](http://conda.pydata.org/docs/get-started.html)

*Once Anaconda is installed (or if Anaconda is already installed):*

* Open a terminal
  + On a Mac or Linux machine open up the terminal
  + On a Windows machine the easiest option is to use the Anaconda Prompt that comes with Anaconda.
    - Unfortunately I am not that familiar with the windows command prompt commands. So please review the command prompt commands prior to class.
    - If you are more advanced in Windows and would like to get a UNIX terminal to work with Conda please go ahead!
* Check the version of Anaconda. Type the following into your terminal
  + conda --version
  + conda will respond with the version number that you have installed, like: conda 3.11.0
* Update conda to the latest version by typing the following commands
  + conda update conda
* If a newer version of conda is available, type Y to update
  + Proceed ([y]/n)? y
* Update the *Anaconda* meta package:
  + conda update anaconda
  + Proceed ([y]/n)? y

*Changing from Python 3.5 to Python 2.7*

* Check the current version of python from the installation
* python --version
* This should return something similar to:
* Python 2.7.11 :: Anaconda 4.0.0 (x86\_64)
* If it does not say Python 2.7 or Anaconda:
* If not Anaconda:
* There is another distribution of python that is installed and ahead of Anaconda in the path. Often this is the Canopy Enthought version of python.
* On a Mac of Linux machine, to fix this you must edit your .bash\_profile, .profile, and .bashrc files to remove mentions of the Canopy version.
* If you’re stuck at this step we can attempt to fix the issue early in the day of the workshop
* If not Python 2.x and instead Python 3.y, then:
* Create a Python 2.7 environment
  + - conda create -n py27 python=2.7 anaconda
    - Activate the new environment
    - source activate py27
    - Check python version
    - python --version
  + Update conda
    - conda update conda
    - Update the *Anaconda* meta package:
  + conda update anaconda

Installing a text editor

* + If you do not already have a text editor that you are comfortable using on your machine, please install one prior to the class
  + One very common one to use is Sublime Text which is available for Mac OS, Windows and Linux
* https://www.sublimetext.com/
* Free to download and evaluate, though the full version of the software for continued use costs money.
* The free version will be adequate for the class
* If you are adventurous, learn how to use vim, emacs, or nano which are alternate command line text editors.
* These text editors have a steep learning curve, but are very powerful once you get the hand of them.