Python for Data Science Workshop Computer Setup Instructions

Thanks for coming to our workshop! The objective of the next two hours is to get you started from ground zero – no programming background and no computer setup assumed – to enough working knowledge to get started on doing data analysis yourself. If you are completely new, below are instructions on how to setup your computer to follow the examples and exercises for tonight.

On Windows

1. Download Anaconda for Windows – <https://www.continuum.io/downloads#windows>
2. Click the 64-bit installer for Python 3.5 and no need to input your ‘work email’.
   1. This should take about 3-5 minutes.
3. Once downloaded, open up the installer and follow its instructions. The default settings and install location are all fine.
   1. This should take 3-5 minutes.
4. Download Git – <https://git-for-windows.github.io>
5. Once downloaded, open up the installer and follow its instructions. The default settings and install location are all fine – you may want to select the checkbox to have a desktop icon when prompted.
6. To run jupyter notebook (just a smidgen of Unix commands!)
   1. Launch Git Bash
   2. Type “ls” and hit enter. This command allows you to view all your files in the current folder (also known as “directory”).
   3. Type “mkdir src” and hit enter. This command **m**a**k**es a new **dir**ectory called **src** in your current directory.
      1. Note: if you do not want to create this folder in your current directory for any reason (e.g. your current directory is Downloads and you don’t like that), type “cd ..” to go up a directory level and “cd <directory name>” to step inside a directory. These are the only navigation commands you will need to move to another directory on your computer. Then type “mkdir src” in the directory you are comfortable in.
   4. Type “cd src” and hit enter. This command **c**hanges your **d**irectory to the src directory (that you just created). If you type “ls” again you should see nothing because you don’t have any files yet in your newly created directory.
   5. Type “jupyter notebook” and hit enter. This will launch the jupyter notebook browser automatically in your default browser. If not, open up your browser and type “localhost:8888/tree”.
7. Download workshop files into your src directory.
   1. Go to our github –

On OSX

1. Download Anaconda for OSX – <https://www.continuum.io/downloads#osx>
2. Click the Python 3.5 Graphical Installer
3. Once downloaded, open up the .pkg file and follow the instructions. (If you cannot open because the app is from an “unidentified developer”, find the .pkg in Finder and then open it while pressing the Control key).
4. To run jupyter notebook (just a smidgen of Unix commands!)
   1. Launch terminal
   2. Type “ls” and hit enter. This command allows you to view all your files in the current folder (also known as “directory”).
   3. Type “mkdir src” and hit enter. This command **m**a**k**es a new **dir**ectory called **src** in your current directory.
      1. Note: if you do not want to create this folder in your current directory for any reason (e.g. your current directory is Downloads and you don’t like that), type “cd ..” to go up a directory level and “cd <directory name>” to step inside a directory. These are the only navigation commands you will need to move to another directory on your computer. Then type “mkdir src” in the directory you are comfortable in.
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