

DATA SCIENCE INSTALL PARTY!

Yasin Dara – yasin.s.dara@gmail.com

ABOUT ME, AND ABOUT YOU



- Cheering for Argentina in the World Cup.
- Born in North Dakota, lived in the Midwest.
- iOS Developer.
- Actually likes databases. (Really).

Background

(Academia)

Carleton College:
Computer Science
Neuroscience
NLP, Evo. Comp.

University of Minnesota:
CS Instructor

University of St. Thomas:



(Corporate)

NASA, SMM, Smilu Inc., Triplt,
Sotte Voce F&W, Maxwell

COURSE RESOURCES

- GitHub Repository
<https://github.com/ga-students/DS-LA-03.git>
- Me. I can be reached at:
yasin.s.dara@gmail.com
612-208-7364, if you need a quick reply.
- Your fellow classmates.
- Your course producer, Daniel Archer.

On the Course Repository

- A syllabus, and a course plan.
- A list of useful books.
- All of the presentations in PDF format.

PYTHON

Mac Instructions:

You already have Python 2.7 installed by default. If you've upgraded to python 3.x, please downgrade to 2.7

Windows Instructions:

1. Head over to: <https://www.python.org/downloads/windows/>
2. Download the “Latest Python 2 Release” – **Python 2.7.7.**
3. Run the **.exe** or **.msi** you just downloaded.
4. Ensure that you've checked “Modify your **PATH** variable”.
5. Verify Python is running by opening **cmd**, and typing
`python --version`
6. If you get an error message saying “Unknown Command”, then type “PATH” or “Environment Variables” into your Start Menu. Append C:\Python27\ to your **PATH** variable, if that is where you installed Python.

If you are having trouble with step 6, ASK! (WARNING).

For the fast people, install these:

- Python <—
 - Homebrew
 - easy_install
 - pip
 - iPython
 - iPython Notebook
 - pandas (Python Data Analysis Library)
 - Scikit-Learn
 - Beautiful Soup 4.
 - MySQLdb library
 - numpy
 - pylab
 - pyplot

OTHER DEPENDENCIES

- › Install the command line version of git. You may use the GUI version if you wish, but for now, the command line version is required.
- › Install your text editor of choice. emacs and/or Sublime Text 2 are recommended.
- › Install a python IDE if you wish to – this might be overkill.
- › Install R (the stats software).
- › Install MySQL
- › Make sure you have at least JAVA 7 running on your computer.
- › Install MySQL Workbench
- › Install gnuplot
- › Install tmux
- › Optionally install julia (the language).
- › Ensure that you have the following working on your computer: vim, emacs, numpy, scipy, homebrew, pip.

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 - MySQLdb library
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 - pylab
 - pyplot
 - scipy

EVEN MORE DEPENDENCIES

Type to enter text

- › Install your choice of FTP client on your computer, I use Transmit, but it isn't free. Filezilla is slightly buggy, but recommended.
- › If you're finished with all of the above, and have all of the dependencies working, raise your hand and demonstrate to me that you can work with a 3-way merge tool of your choice in git.
- › Once that is completed, you are free to go! Grab a beer on your way out.