# OS X Setup for Data Science - R, MySQL, IPython, Git

#### Command to install Homebrew via OS X terminal:

\$ruby -e "\$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)" Homebrew will be installed in the /usr/local directory

# **Useful Homebrew Commands for OSX:**

- -- Updates for OSX: \$brew update # (updates list of available packages)
- -- Upgrades for OSX: \$brew upgrade # (installs newer versions of packages)
- -- List all the packages installed by brew: \$brew list
- -- List broken packages/installers: \$brew doctor

#### Install R in OSX via terminal:

- -- \$brew tap homebrew/science
- -- \$brew install gcc
- -- \$brew install Caskroom/cask/xquartz
- -- Sbrew install r

#### Install R-Studio:

-- Website: https://www.rstudio.com/products/rstudio/download/

# Install MySQI & MySQL Workbench:

- -- Website: <a href="https://coderwall.com/p/os6woq/uninstall-all-those-broken-versions-of-mysql-and-re-install-it-with-brew-on-mac-mavericks">https://coderwall.com/p/os6woq/uninstall-all-those-broken-versions-of-mysql-and-re-install-it-with-brew-on-mac-mavericks</a>
- -- Access mysql from terminal: mysql -u root -p
- -- Install MySql workbench: \$brew cask install mysqlworkbench

## Install Python v2.7, Anaconda and Jupyter:

- -- Anaconda Installer 32/64 bit for Python 2.7: https://www.continuum.io/downloads
- -- Copy downloaded file to the desired directory and execute the command below via terminal: \$bash Anaconda2-2.4.0-Linux-x86\_64.sh
- -- Restart the terminal
- -- Check python version: \$python --version
- -- Install jupyter via Anaconda: \$conda install jupyter
- -- Update Conda Installer: \$conda update conda
- -- Update Anaconda: \$conda update anaconda
- -- Check ipython notebook: \$ipython notebook
- -- Pymysql databse connectors for python: \$conda install pymysql

### Install R Kernel for Jupyter:

- -- Install zmq package: \$brew install zmq
- -- Update/Upgrade brew
- -- Open R via Ubuntu terminal (type R in the terminal) and execute the following commands:

## **Basic Conda Commands:**

-- Conda version: \$conda --version

IRkernel::installspec()

- -- Update Anaconda: \$conda update anaconda
- -- Update Conda Installer: \$conda update conda
- -- List all installed Conda packages: \$conda list
- -- Search for a package: \$conda search packageName
- -- Install Conda packages: \$conda install packageName or \$pip install packageName
- -- Remove installed Conda package: \$conda remove packageName

#### Install Git:

- -- \$brew update
- -- \$brew install git

# Check command history:

- -- Terminal command history from start till shutdown: \$history > history.txt
- -- View terminal history: \$cat history.txt