The Computer as Laboratory for Science

27 June 2016



Installing & Getting Started with Github

- Make an account at https://github.com/ if you haven't already
- Add the FreeSurfer-Summer-Workshop Repository
- Navigate to ~/Documents/Github/FreeSurfer-Summer-Workshop



Jupyter Open our jupyter notebook for today



Jupyter Notebook



Open an iTerm Session

Type → jupyter-notebook 'Notebook|2017.06.26.ipynb'

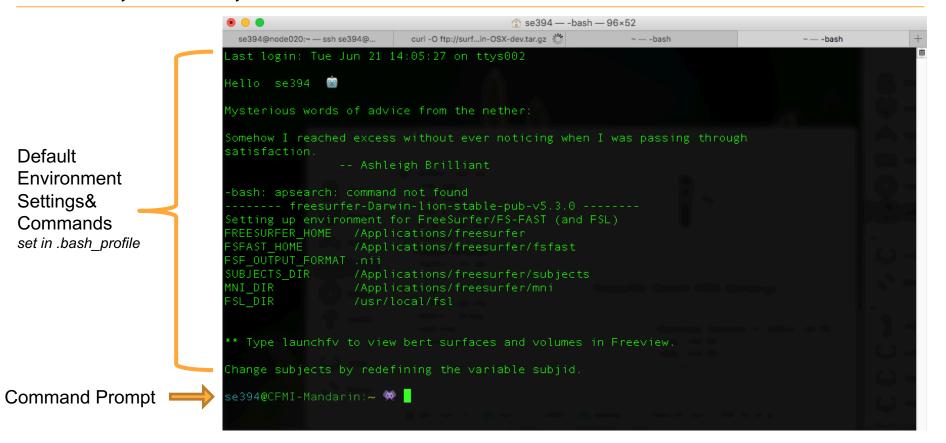


Slack Channel

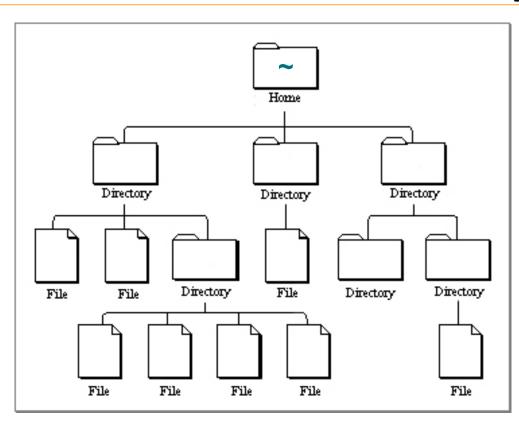
- Everyone have a user account?
- You should see the following channels: random, general, freesurfer
- Type help in slackbot channel for information on commands
- Communicate all questions & issues through slack, don't hesitate to ask questions if you're confused!

Unix Tutorial

- ✓ UNIX is a <u>fundamental</u> tool for manipulating files, tuning your system, performing network tasks, installing new software, automating routine tasks, etc.
- You must learn UNIX if you are serious about neuroimaging.
- Getting started is easy Just open a terminal!



Unix:: A Hierarchical File System



Navigating File Systems

Basic pwd -- print working directory cd -- change directory Is -- list directory contents Advanced Usage pushd -- save current directory popd -- return to saved directory

Anatomy of a Command

command -option1 -option2 file command --help command -h man ___ Try: ls --help man ls or

File Name Completion

History

Use up arrow (↑) to see previous commands

Source your .bash_profile for changes to take effect

source .bash_profile

You can make a back-up copy using the cp command:

cp .bash_profile .bash_profile.bak

Make a folder to store it in and move the back-up file there

mkdir backup-files

mv .bash_profile.bak backup-files/.bash_profile.bak

Rename your folder using the mv command

mv backup-files mystery-folder

Delete the files in the folder

m backup-files/*

Delete the folder (note the use of the –r option)

m -r backup-files