
Installing Python

HCDE 530 - Computational Concepts in HCDE

Poll

- ▣ What are you using?
 - ▣ Mac, Mac OS?
 - ▣ PC, Windows?

Mac Users

- Good news!
 - You are done.

 - EXCEPT: if you installed some version of Python 3!
 - You'll need to uninstall that, then you're done.
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PC/Windows Users

- We've got some work to do
 - Want Python 2.7.x
 - Looks like 2.7.14 is the current right now
 - Help abounds
 - Google Search "install python 2.7 windows"
 - Two helpful sites
 - <http://www.howtogeek.com/197947/how-to-install-python-on-windows/>
 - <http://docs.python-guide.org/en/latest/starting/install/win/>
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Standard vs Distribution vs User modules

- Most programming languages seek to be as compact, simple, parsimonious as possible
 - Module, packages, libraries are techniques to add specialized capability to the programming language – some of these are quite complex
 - Python has three types of modules (packages)
 - Standard modules
 - Distribution modules
 - User modules
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PYTHONPATH for User modules

- PYTHONPATH

- This is a system variable for Mac, Linux & Windows that contains a directory path
/Users/dwmc/Development/python
- This tells python where to look for python user modules
- This will be the directory where all of the code for this course should live

PYTHONPATH Strategy

- Set every time
 - We could open the Terminal (command line) and set the value of this system variable every time
 - Somewhat inconvenient
- Startup
 - We could add a command to a special start up file so that every time we start the Terminal (command line) the value of PYTHONPATH is set

PYTHONPATH (on Mac or Linux)

- ❑ csh/tcsh
 - ❑ Add a command to the `.cshrc` file in home directory
 - ❑ `setenv PYTHONPATH "<the full path to where your python code lives>"`
- ❑ Bash
 - ❑ Add two commands to the `.profile` file
 - ❑ `PYTHONPATH="<the full path to where your python code lives>"`
 - ❑ `export PYTHONPATH`

PYTHONPATH (on Windows)

- ▣ Google
 - ▣ “set pythonpath windows”
- ▣ Sample
 - ▣ <http://stackoverflow.com/questions/25153802/how-to-set-python-path-in-windows-7>