

AES-53 Tutorial working environment

Necessary software

The iMac computers in the tutorial room should have this software configured already.

- Mercurial (hg) version control software: <http://mercurial.selenic.com/>
- EasyMercurial user interface for Mercurial: <http://easyhg.org/>
- Python 2.x with IPython, the IPython Notebook, and the Nose unit test runner
 - Enthought Canopy Express might be a good way to install these: <http://enthought.com/canopy-express/>
- Terminal window, text editor, and web browser
- Optionally, an account at <http://bitbucket.org/> to store version-control repositories

The easiest way to run those programs that have their own graphical interfaces, when using the iMacs in the tutorial room, may be to use Spotlight:

1. Click on the magnifying-glass icon at top right of the screen
2. Start typing the name of the program, e.g. “term” for the Terminal window or “easy” for EasyMercurial
3. Choose the program from the menu that appears as you type

To run Python or the IPython Notebook, we’ll be using the Terminal window.

How to get started

(We’ll do this in the tutorial, this is just for future reference)

1. Run EasyMercurial
2. Open the remote repository that holds the tutorial material. Its URL is <http://bitbucket.org/cannam/aes53-tutorial-bits>
3. When that has cloned and opened successfully, click on the local path shown in EasyMercurial to open the tutorial directory in Finder and see what’s in it
4. Open a terminal window, “cd” to that directory, and start the IPython Notebook with

```
$ ipython notebook --script --pylab inline
```

Make sure you’re in the right directory when doing this, as the Notebook by default saves its files in the working directory that you start it in.