

# Important resources

## Learning Unix and bash

Resource	Description
<a href="http://www.ee.surrey.ac.uk/Teaching/Unix/">http://www.ee.surrey.ac.uk/Teaching/Unix/</a>	Tutorial on unix and bash. We will use this for the course.

## Learning Python and packages

Resource	Description
<a href="https://docs.python.org/3.5/tutorial/interpreter.html">https://docs.python.org/3.5/tutorial/interpreter.html</a>	Extensive introduction to Python. We will use this for the course.
<a href="http://github.com/pydata/pydata-book">http://github.com/pydata/pydata-book</a>	Examples from the text book
<a href="https://www.python.org">https://www.python.org</a>	All things python
<a href="http://www.scipy-lectures.org">http://www.scipy-lectures.org</a>	Another extensive tutorial. Recommended as extra reading.
<a href="http://pandas.pydata.org/pandas-docs/version/0.18.1/10min.html#min">http://pandas.pydata.org/pandas-docs/version/0.18.1/10min.html#min</a>	Quick pandas intro
<a href="https://docs.scipy.org/doc/numpy-dev/user/quickstart.html">https://docs.scipy.org/doc/numpy-dev/user/quickstart.html</a>	Numpy tutorial
<a href="http://matplotlib.org/users/beginner.html">http://matplotlib.org/users/beginner.html</a>	Matplotlib intro

## Learning git

Resource	Description
<a href="https://help.github.com/desktop/guides/getting-started/">https://help.github.com/desktop/guides/getting-started/</a>	Setting up github on your computer
<a href="https://guides.github.com">https://guides.github.com</a>	Good introductory tutorials. We will use this for the course.

## Other tools

Resource	Description
<a href="https://github.com/adam-p/markdown-">https://github.com/adam-p/markdown-</a>	Nice cheatsheet/demo for markdown syntax

## Getting help

- In the terminal, use man command (hint: man man gives help on man)
- In apps (such as TextWrangler, Terminal, and Safari) click on Help at the top of the screen
- Google is your friend, and copy (ctl-C) and paste (ctl-V) makes it even friendlier
- Check out StackOverflow.com
- in ipython:
  - cmd? gives help for “cmd” (e.g. help? gives help on the help command)
  - cmd?? gives the code for “cmd”
- in python: help(object) gives help on “object” (e.g. help(dict) gives help on dictionaries)

## Miscellaneous tips and tricks

- in Unix
  - up arrow (and down arrow) step through command history
  - tab autocompletes
- In python \*txt<tab> shows possible autocompletions, that is shows possibilities that begin with “txt”