

## Useful Resources For Data Science & Programming

General tutorial for python with a focus on numpy operation

<http://cs231n.github.io/python-numpy-tutorial/>

Short data visualization tutorial using matplotlib, the primary library we will use to generate plots and figures in this class. Some parts are slightly outdated/depreciated, but core utilities should all be the same.

[http://matplotlib.org/users/pyplot\\_tutorial.html#pyplot-tutorial](http://matplotlib.org/users/pyplot_tutorial.html#pyplot-tutorial)

Set of notebooks demonstrating the use of basic Pandas functions.

<https://wavedatalab.github.io/datawithpython/index.html>

## Textbooks

Learning Data Science - <https://learningds.org/intro.html>

Good textbook that covers the majority of what we plan to cover in this class

Introduction to Statistical Learning - <https://www.statlearning.com/>

Textbook focused on machine learning and stats topics, useful for later in this class