

Python Data Analytics Tutorials

The bulk of my research involves some degree of 'Big Data' – such as datasets with a million or more tweets. Getting these data prepped for analysis can involve massive amounts of data manipulation – anything from aggregating data to the daily or organizational level, to merging in additional variables, to generating data required for social network analysis. For all such steps I now almost exclusively use Python's [PANDAS](#) library ('Python Data Analysis Library'). In conjunction with the [Jupyter Notebook](#) interactive computing framework and packages such as [NetworkX](#), you will have a powerful set of analysis tools at your disposal. This page contains links to the tutorials I have created to help you learn data analytics in Python. I also have a page with shorter (typically one-liner) [data analytic code bytes](#).

Data Collection

- [Python: Where to Start?](#)
- [Running your first code](#)
- [Four ways to run your code](#)
- [Setting up Your Computer to Use My Python Code](#)
- [Setting up Access to the Twitter API](#)
- [Using Your Twitter API Key](#)
- [Using Python to Grab Twitter User Data](#)