**Introductory reading:**

* Adhikari A, DeNero J. 2019. Computational and inferential thinking - The foundations of data science: <https://www.inferentialthinking.com/>
* Burdick et al. 2016. Digital Humanities: <https://ebookcentral.proquest.com/lib/berkeley-ebooks/detail.action?docID=3339545>

**General Python**

* VanderPlas J. 2017. Python data science handbook. O’Reily Media: <https://jakevdp.github.io/PythonDataScienceHandbook/>
* Getting started with Pandas: <https://pandas.pydata.org/pandas-docs/stable/getting_started/index.html#getting-started>

**Data Visualization**

* Wilke CO. 2019. Fundamentals of data visualization. O’Reily Media: <https://serialmentor.com/dataviz/>
* Data visualization with Pandas: <https://pandas.pydata.org/pandas-docs/stable/user_guide/visualization.html>
* Official seaborn tutorial: <https://seaborn.pydata.org/tutorial.html>

**Network Analysis**

* Gephi: home page <https://gephi.org/>
* Various Sources. no date. Social Network Analysis – Theory and Applications: <https://www.archiv.politaktiv.org/documents/10157/29141/SocNet_TheoryApp.pdf>
* Denny M. 2014. Social Network Analysis: <http://www.mjdenny.com/workshops/SN_Theory_I.pdf>
* Getting started with igraph: <https://igraph.org/python/>

**Geospatial analysis**

* Lawhead J. 2019. Learning Geospatial Analysis with Python: <http://dl.booktolearn.com/ebooks2/computer/python/9781789959277_Learning_Geospatial_Analysis_with_Python_376c.pdf>
* Voting Rights Data Institute. 2018. Map Guide: <https://www.katiejolly.io/pdf/VRDI%20Map%20Guide.pdf>
* de Smith J, et al. 2018. Geospatial Analysis: <https://www.spatialanalysisonline.com/extractv6.pdf>
* Getting started with GeoPandas: <http://geopandas.org/>

**Computational Text Analysis**

* UC Berkeley text mining & computational text analysis guide: <https://guides.lib.berkeley.edu/text-mining>
* Natural language processing with Python: <https://www.nltk.org/book/>
* spaCy 101: <https://spacy.io/usage/spacy-101>

**Machine Learning**

* Machine learning in Python with scikit-learn: <https://scikit-learn.org/stable/>
* Chollet F. 2018. Deep Learning with Python: <http://faculty.neu.edu.cn/yury/AAI/Textbook/Deep%20Learning%20with%20Python.pdf>

**Writing**

* Ten simple rules for structuring papers: <https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1005619>
* Kitzes et al. 2017. The practice of reproducible research: <https://bids.berkeley.edu/publications/practice-reproducible-research>