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