1. Data Munging Basics
   1. Filter and Select Data
   2. Treat Missing Values
   3. Remove Duplicates
   4. Concatenate and Transform Data
   5. Group and Aggregate Data
2. Data Visualization Basics
   1. Create Standard Bar, Line, and Pie Plots
   2. Define Plot Elements
   3. Format Plots
   4. Create Labels and Annotations
   5. Create Visualizations from Time Series Data
   6. Construct Histograms, Box Plots, and Scatter Plots
3. Basic Math and Statistics
   1. Use Numpy Arithmatic
   2. Generate Summary Statistics
   3. Summarize Categorical Data
   4. Parametric Methods
   5. Non-parametric Methods
   6. Transform Dataset Distributions
4. Dimensionality Reduction
   1. Introduction to Machine Learning
   2. Explanatory Factor Analysis
   3. Principle Component Analysis
5. Outlier Analysis
   1. Extreme Value Analysis Using Univariate Methods
   2. Multivariate Analysis for Outlier Detection
   3. A Linear Projection Method for Multivariate Data
6. Cluster Analysis
   1. K-Means Method
   2. Hierarchical Methods
   3. Instance Based Learning with K-Nearest Neighbors
7. Network Analysis with NetworkX
   1. Intro to Network Analysis
   2. Work with Graph Objects
   3. Simulate a Social Network
   4. Generate stats on Nodes and Inspect Graphs
8. Basic Algorithm Learning
   1. Linear Regression Model
   2. Logistic Regression Model
   3. Naïve Bayes Classifiers
9. Web Based Data Visualizations with Plotly
   1. Create Basic Charts
   2. Create Statistical Charts
   3. Create Plotly Choropleth Maps
   4. Create Plotly Point Maps
10. Web Scraping with Beautiful Soup
    1. Introduction to Beautiful Soup
    2. Explore NavigatableString Objects
    3. Parse Data
    4. Web Scrape in Practice