

Week 4: Matplotlib and Seaborn

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Introduction to Matplotlib

- Matplotlib was created by John D. Hunter in 2003.
- Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python.
- Matplotlib is designed with the philosophy that you should be able to create simple plots with just a few commands, or just one! If you want to see a histogram of your data, you shouldn't need to instantiate objects, call methods, set properties, and so on; it should just work.

Introduction to Seaborn

- Seaborn was created by Michael Waskom.
- Seaborn is a Python data visualization library built on top of matplotlib and closely integrated with pandas data structures.
- Seaborn aims to make visualization a central part of exploring and understanding data. Its dataset-oriented plotting functions operate on data frames and arrays containing whole datasets and internally perform the necessary semantic mapping and statistical aggregation to produce informative plots.