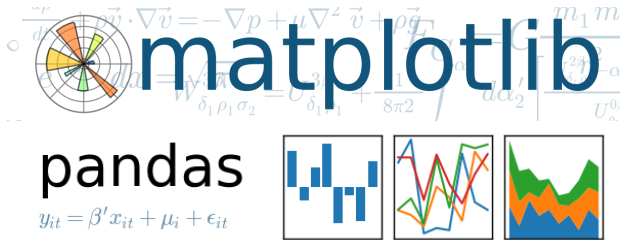# Plotting with matplotlib and pandas

Visualization with pandas

- Straightforward plotting as DataFrame methods for all kinds: barplots, aras, histograms, violin plots, timeseries, etc.

- Has `matplotlib` under the hood - additionally `import matplotlib.pyplot as plt`

- Beware: some features are changed using matplotlib, some using pandas

- Set basic styling with `plt.style.use('<style>')` (list all styles with `plt.style.available`)

- Most difficult task: Have DataFrame in correct format (long vs. wide)

- Examples on https://pandas.pydata.org/pandas-docs/stable/visualization.html

Visualization with pandas, cont.

- Examples on https://pandas.pydata.org/pandas-docs/stable/visualization.html

- In Jupyter, remember to write

  `%matplotlib inline`

Excourse: colormaps

`https:`
`//matplotlib.org/tutorials/colors/colormaps.html`