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Eléonore Mayola







nodty9 ni ziv A tour of data

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gmplot, ipyleaflet, geoviews Geopandas, Folium, CartoPy, Geospatial libraries for Python:

ol:dudig.siv-visils DOKEN, OFG

plotily pandas.pydata.org matplotlib.org

- Libraries mentioned:
- for data viz: pyviz.org/tools.html Exhaustive list of Python tools



tour_dataviz_python github.com/Eleonore9/

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One main maintainer Interactive plots and maps alt.Chart(source).mark_line().encode(In [2]: source = data.stocks()

library for Python, based on Vega and Vega-"Altair is a declarative statistical visualization



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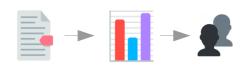
Interactive plots or dashboards in modern web browsers." and meaningful visual presentation of data library for Python that enables beautiful "Bokeh is an interactive visualization

Tricky to create dashboard apps

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Different needs for different use cases

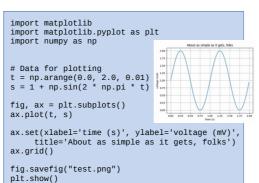


- yourself
- your colleagues
- your manager
- your clients
- exploring a dataset
- writing an internal report
- writing a client report
- writing a research article

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"Matplotlib tries to make easy things easy and hard things possible."



- Complex or customised plots
- Syntax can become tricky

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pandas 🔝



"[...] high-performance, easy-to-use data structures and data analysis tools for the Python programming language."

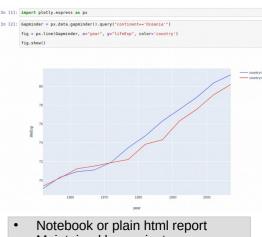


- Plotting during data analysis
- Not the most aesthetic → try Seaborn

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High-level, declarative charting library with over 30 chart types, including scientific charts, 3D graphs, statistical charts, SVG maps, financial charts, and more.



Maintained by a private company