

Visualising Data

With Python

Libraries to be used

— — —

Matplot lib

Seaborn

Plotly

Matplot lib

— — —

A 2D Python plotting library, designed to be similar to MatLab in its interfaces and capabilities

The creator, John Hunter, started development in 20003 after he ran up against the limitations of MatLab as a programming language but couldn't find a Python package that produced graphics that he felt were as good as MatLab's

Intended to create publication-grade graphics with a few lines of code

<https://matplotlib.org/>

Seaborn

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Seaborn builds on matplotlib to create attractive graphs simply. It offers a lot of internal aggregation and semantic mapping to produce graphs with minimal data specification

<https://seaborn.pydata.org/index.html>

Plotly

— — —

Plotly makes interactive graphs for presentation online. Graphics can be exported as static images. It offers powerful behind-the-scenes data mapping and ships with multiple inbuilt chart types, including maps and 3D visualisations.

<https://plot.ly/python/>

Other Resources

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<https://pandas.pydata.org/>

<https://python-graph-gallery.com/>