



# Matplotlib

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Matplotlib is a flexible and customizable tool for producing static and interactive data visualizations

It is a Python 2D plotting library that produces publication-quality figures in a variety of hardcopy formats and interactive environments across platforms. Matplotlib can be used in Python scripts, the Python and IPython shell, the Jupyter notebook, web application servers, and seven graphical user interface toolkits.

## APPLICATIONS

Academia, national research labs and across multiple industries like oil and gas, finance, meteorology, and scientific instruments

Cutting-edge research, from physics to chemistry, neuroscience to astronomy

Mars landers and the Hubble space telescope

## PLANNED FEATURES

- + Improved unit support and internal data structure overhaul (on-going, funded via CZI and NASA)
- + Improved Axes layout tools (on-going, un-funded)
- + Improved integration with JupyterLab / Jupyter Notebooks (on-going, funded via MSFT)

## PROJECT NEEDS

OpenGL pilot work (80k)

Right-to-left text support (10k)

Information architecture review of docs (15k or in-kind)



## Matplotlib

For more information on Matplotlib, including our governance structure and project roadmap, please visit:

<https://matplotlib.org/>

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