03: Jupyter Notebooks

https://github.com/matthiaskoenig/itbtechtalks

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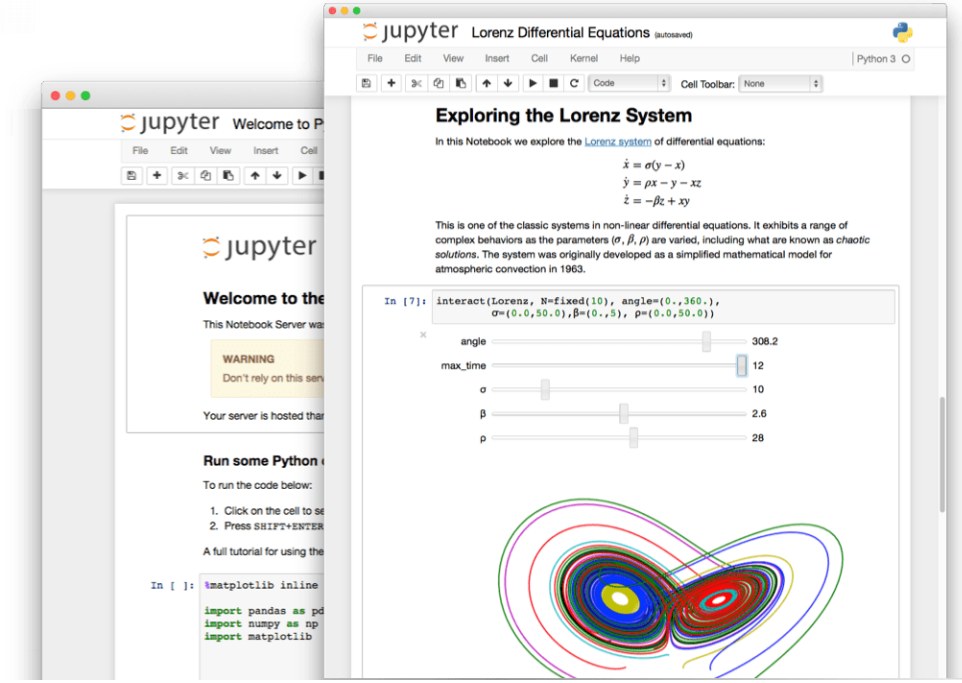
- Project Jupyter exists to develop open-source software, open-standards, and services for interactive computing
- The Jupyter Notebook is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations and narrative text.



Language of choice

The Notebook has support for over 40 programming languages, including Python, R, Julia, and Scala.

Share notebooks

Notebooks can be shared with others using email, Dropbox, GitHub and the Jupyter Notebook Viewer.

Interactive output

Your code can produce rich, interactive output: HTML, images, videos, LaTeX, and custom MIME types.

Big data integration

Leverage big data tools, such as Apache Spark, from Python, R and Scala. Explore that same data with pandas, scikit-learn, ggplot2, TensorFlow.

References

- Project Jupyter Homepage
  https://jupyter.org/
- Jupyter Lab
  https://github.com/jupyterlab/jupyterlab