



meetup

hands-on talk

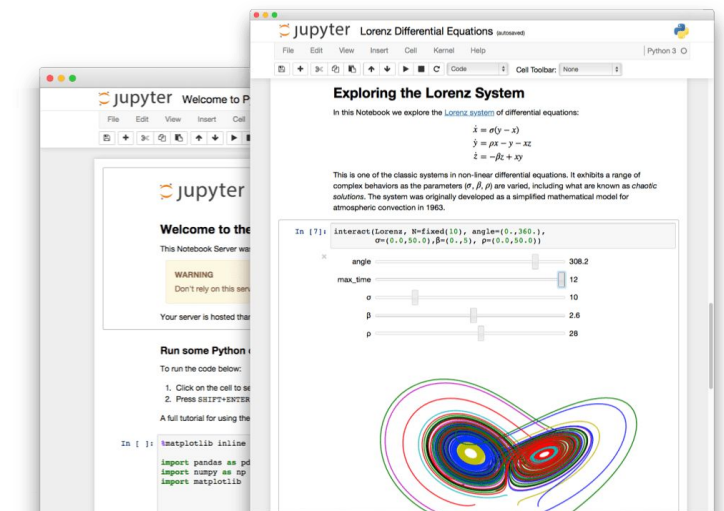
Interactive (computing) Data Science with Jupyter Notebooks



meetup

The Jupyter Notebook is an open-source web application that allows you to *create and share documents* that contain *live code*

Jupyter is built on the IPython project and allows for interactive python to be run in your browser.



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Jupyter Notebook/ **pros**

- **Interactive and visual computing** based on open standards for all major programming languages
- **Widely popular** in data science community
- **Ideal for light exploration** of APIs and data, data cleaning and transformation, statistical modeling, data visualisation, machine learning etc



Jupyter Notebook/ **cons**

- **No version control**
- **Encourages unstructured code:** code duplication, no modules, flat code organisation
- **Uncertain execution state:** re-execution of cells
- **No IDE features:** limited autocompletion, no code navigation, refactoring, style compliance



Tutorial

Jupyter Notebooks

Installation and Startup

Jupyter Notebook + virtual env - [Ink](#)

Running code in Jupyter Notebooks - Ink

Jupyter-contrib extensions - [Ink](#)

Markdown for Jupyter notebooks cheatsheet - [Ink](#)

Newspaper3k: Article scraping & curation - [Ink](#)

Python Data Science Handbook - [Ink](#)

A gallery of interesting IPython Notebooks - [Ink](#)

Nbviewer - [Ink](#)

Jupyter Lab - [Ink](#)

