CSE/ECE 848 Introduction to Evolutionary Computation

Module 1 - Lecture 4 - Part 3

Octave Code for Some Methods

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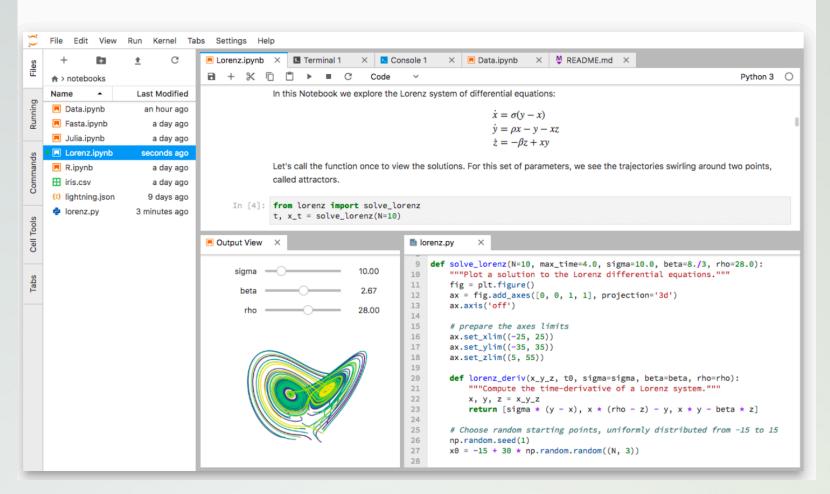


Jupyter Lab / Jupyter Notebook

- Our way of exploring different algorithms
- Base kernel is Python, but other languages are installable
- Go to https://jupyterlab.readthedocs.io/en/stable/index.html
- Also a lot of information on https://jupyter.org/
- Makes use of the notebook principle first used with Mathematica: Cells that can contain code that can be executed

JupyterLab Documentation

JupyterLab is the next-generation web-based user interface for Project Jupyter. Try it on Binder. JupyterLab follows the Jupyter Community Guides.



Jupyter Lab / Jupyter Notebook

- You can think about algorithms and observe their behavior in one place
- You need to install the Octave kernel (a public domain version of MATLAB)
- Kernels for many languages are available, e.g., R, Julia, etc, see their GitHub page: https://github.com/jupyter/jupyter/wiki/Jupyter-kernels
- · We'll discuss a few very simple search algorithms
 - Random Search
 - Hill Climbing
 - Simulated Annealing