First Aproach to Metropolis-Hastings

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Get familiar with python

Launch the script `Estimate_pi.ipynb` and follow the steps, change the parameters of the code and understand how a jupyter notebook works for further information check the jupyter notebook page `https://jupyter.org/documentation`.The instruction for how to launch the code is stated in the readme of the repository.

Build a Monte-Carlo Based Algorithm for a 2D system

Launch the Jupyter notebook called `Metropolis.ipynb`, and fill the requirements of the defined functions in order to make a functional code that plots the solution and measures the heat capacity of a system.