Exercise 1: Part 2

Code Correction

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UNSW, 2021

Problem

In this folder, you have an example of a python code that tries to generate some data and save into a file. This is an example of terrible coding and you job is to develop a function that does the same with better code planning and execution.

Can you fix this and think of strategies to make this more creative, i.e generate some data and run some matrix operations and try to make some plots such as heatmaps and histograms?

Resources:

1. https://www.geeksforgeeks.org/how-to-draw-2d-heatmap-using-matplotlib-in-python/
2. https://matplotlib.org/stable/gallery/statistics/hist.html