Test done 2025_02_24 at 10_23_40

Initial condition
Size : 40
I_Energy : 100
I_Age : 100
I_Distr : Uniform
Active : 100
C_Min : 10
C_Max : 250
C_Regen : 50
C_Distr : Uniform no regen
Height : 50
Width : 50
P_Distr : Uniform
Move : 1
Eat : 1
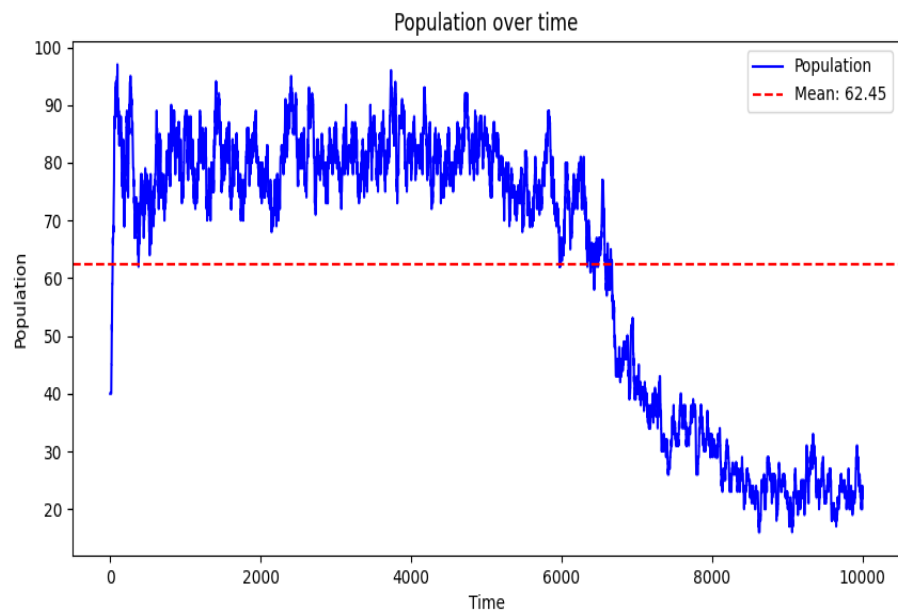Rest : 0
Reproduce : 3
Radius : 4
Maturity : 0.18
Energy Needed : 0.6
Extra Energy : 0.2
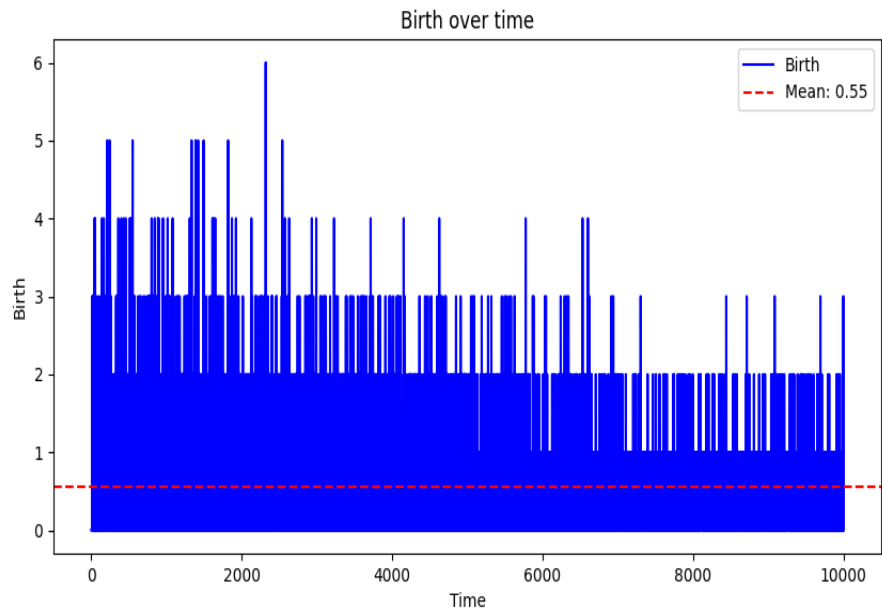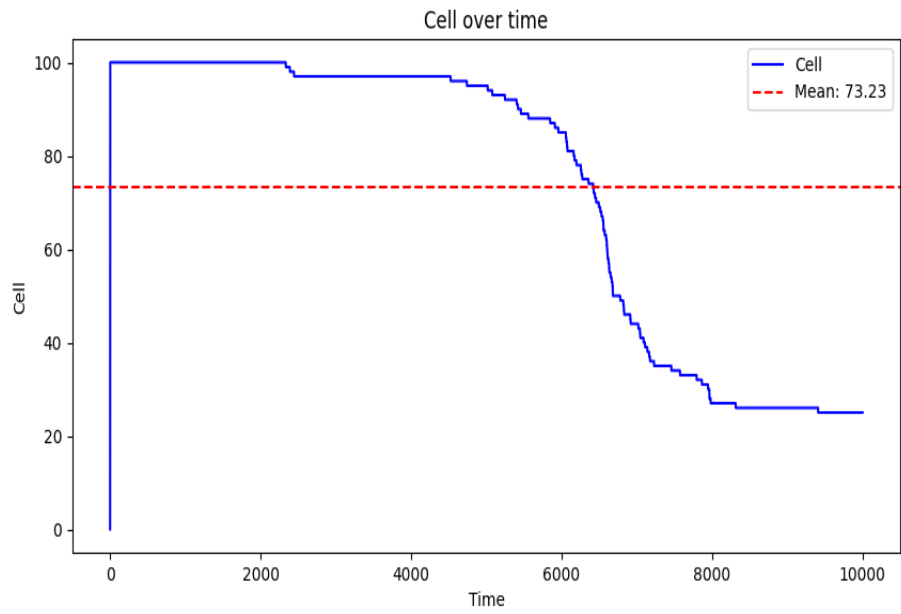Energy Requeste : 0.5
Mutation Rate : 0.1

Mean : 62.45105489451055
Variance : 592.5159775393324
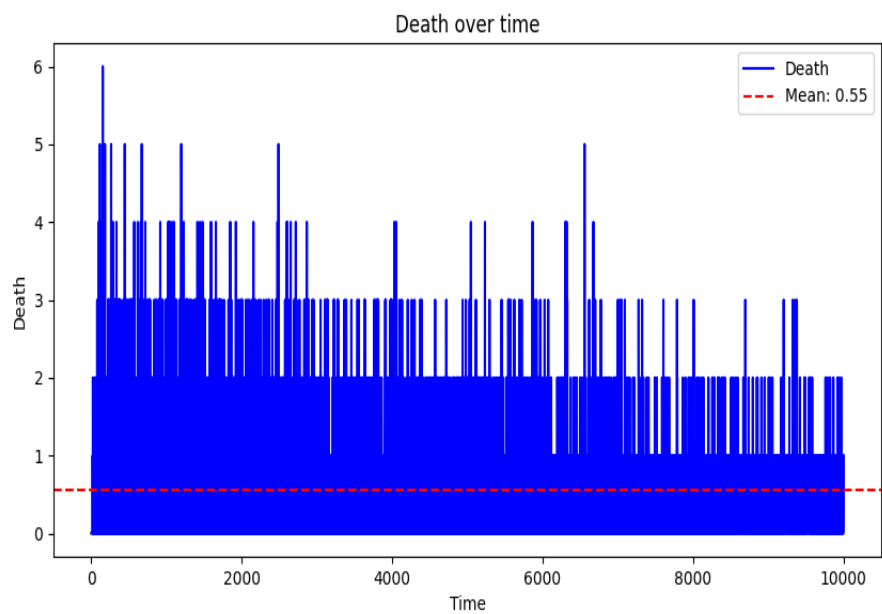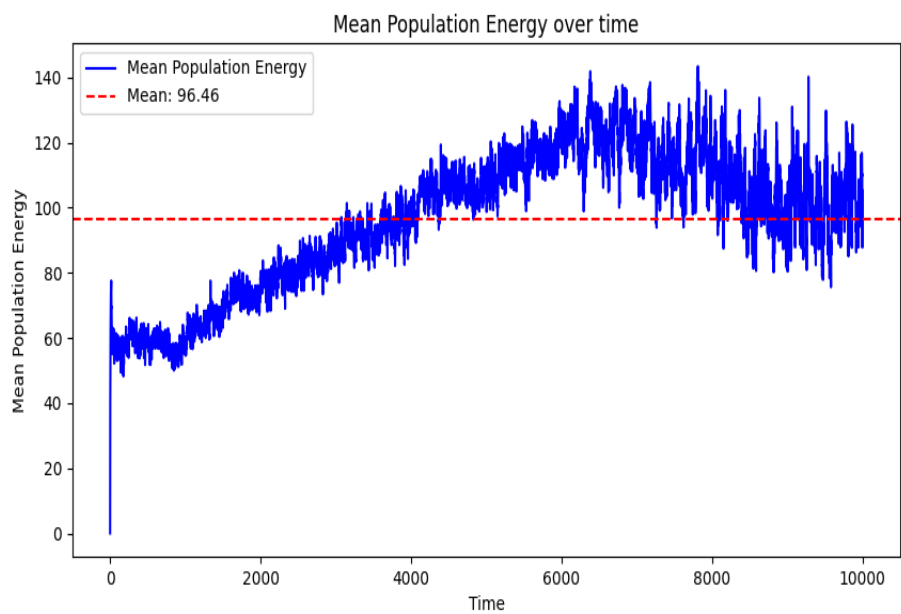Min : 16
Max : 97

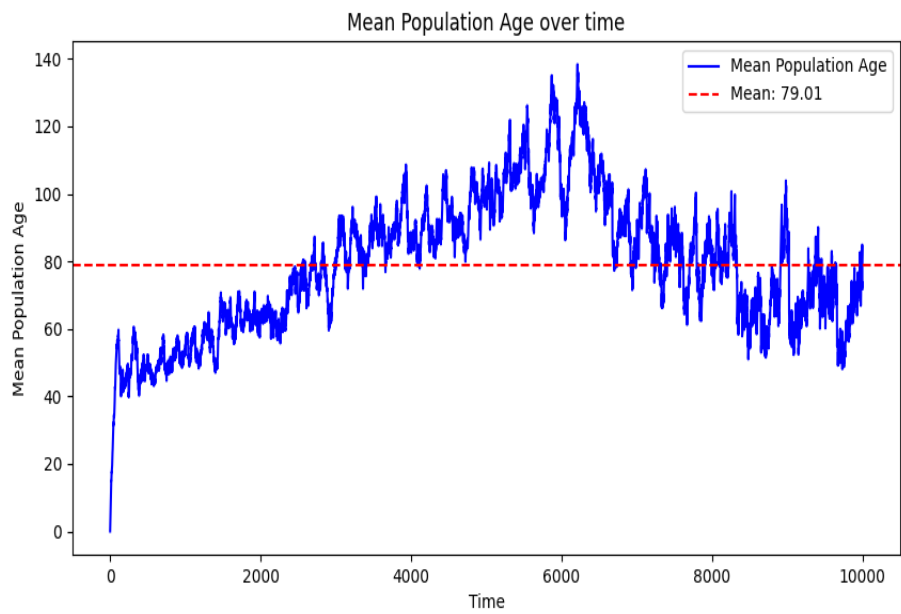**Cell over time**

Birth over time

Mean : 0.5496450354964504
Variance : 0.6114989740901922
Min : 0
Max : 6

Death over time

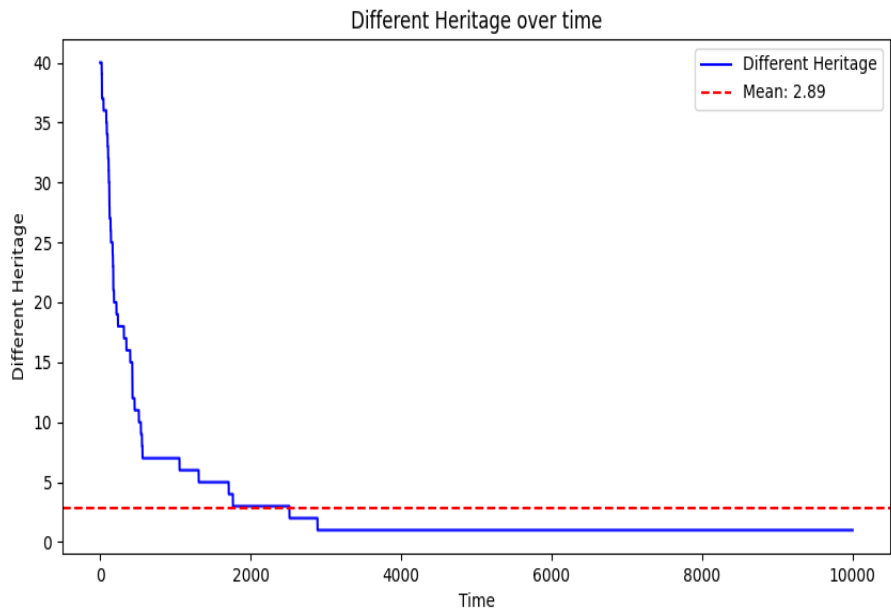Mean : 0.5514448555144486
Variance : 0.6087172904547361
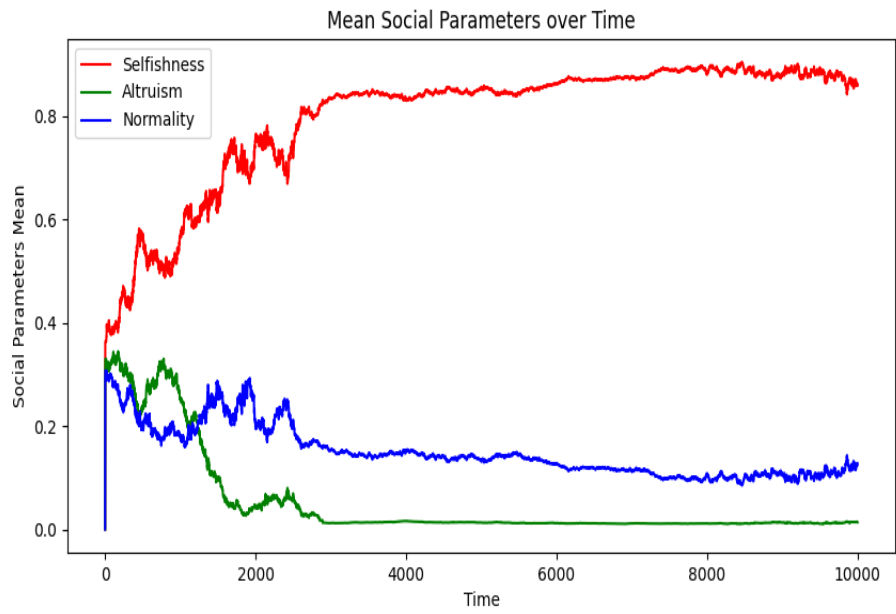Min : 0
Max : 6

Mean Population Energy over time

Mean : 96.46266952109724
Variance : 452.5643507196378

Mean Population Age over time

Mean : 79.01302896922122
Variance : 403.4646905807235

Mean World Energy over time

Mean Social Parameters over Time

Different Heritage over time
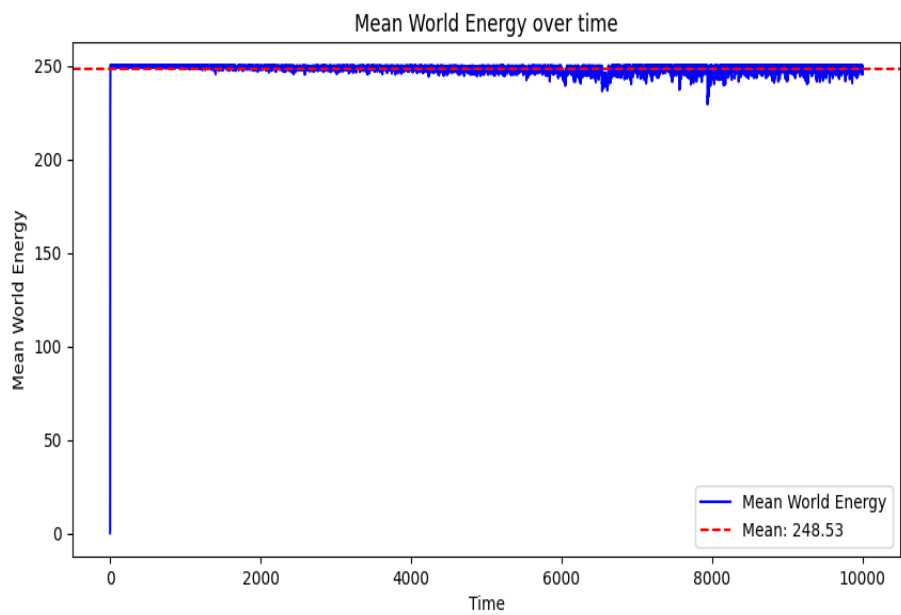
Author : Francesco Bredariol
Year : 2024/2025
This Project is done for the academic purpose of implementing the practical part of the Degree Thesis in Artificial Intelligence and Data Analytics.