Test done 2025_02_23 at 14_23_17

Initial condition
Size : 100
I_Energy : 150
I_Age : 150
I_Distr : Uniform
Active : 40
C_Min : 25
C_Max : 150
C_Regen : 10
C_Distr : 4 Islands
Height : 60
Width : 60
P_Distr : Normal
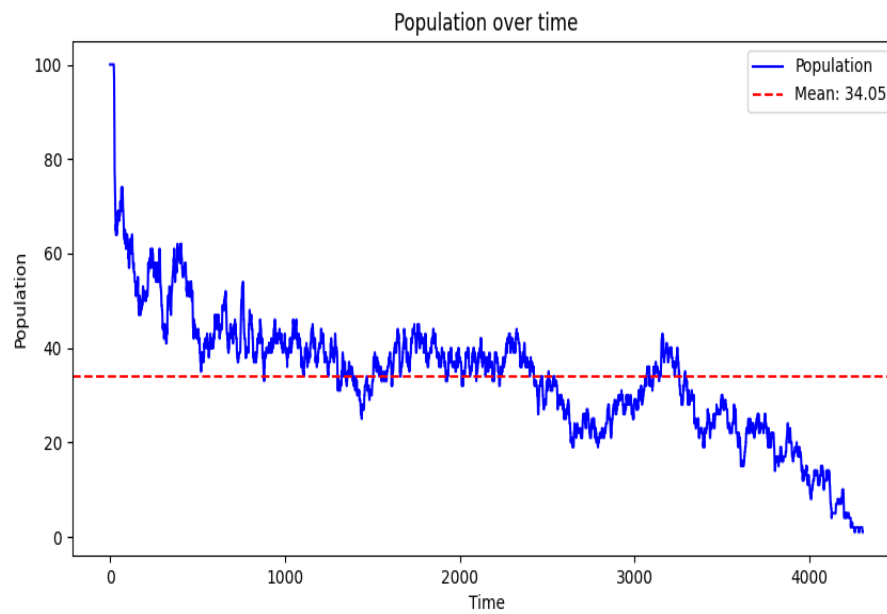Move : 1
Eat : 2
Rest : 0
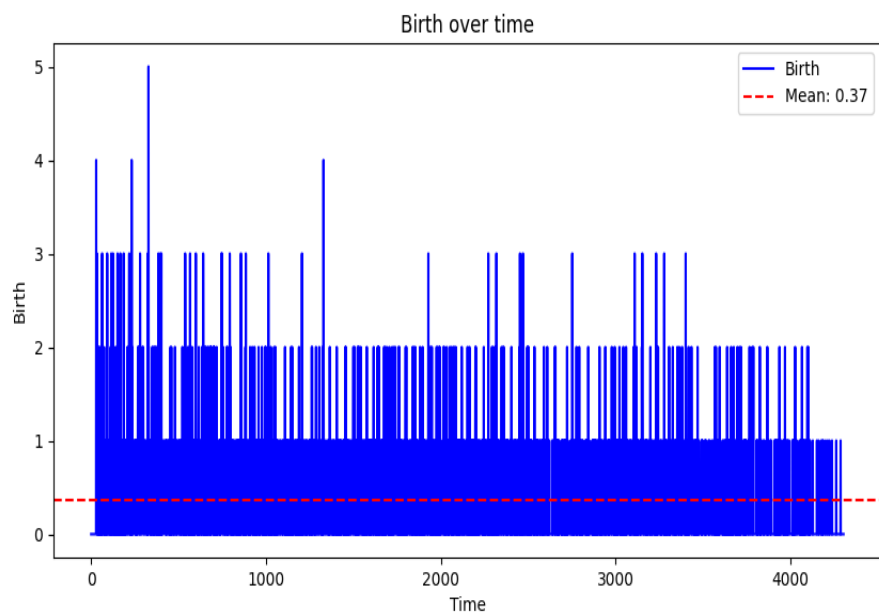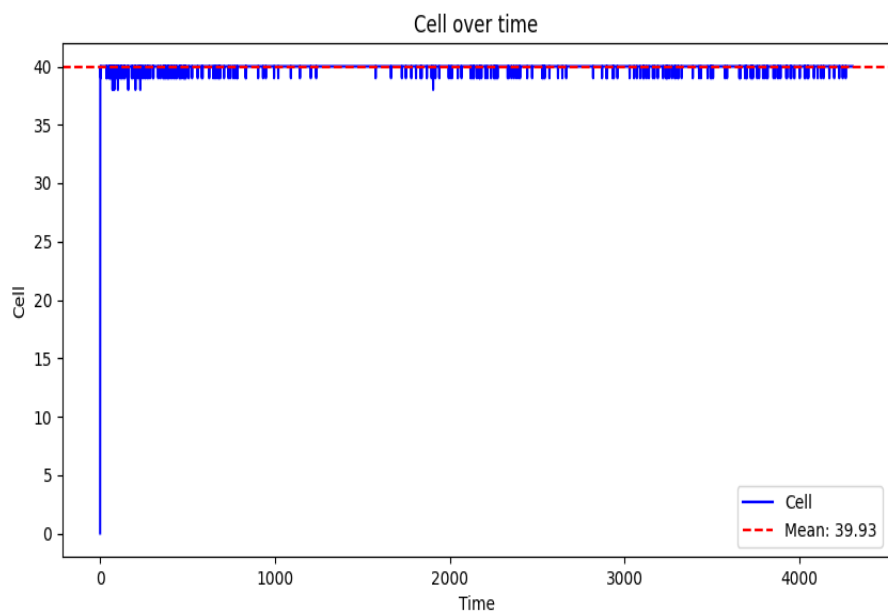Reproduce : 15
Radius : 4
Maturity : 0.18
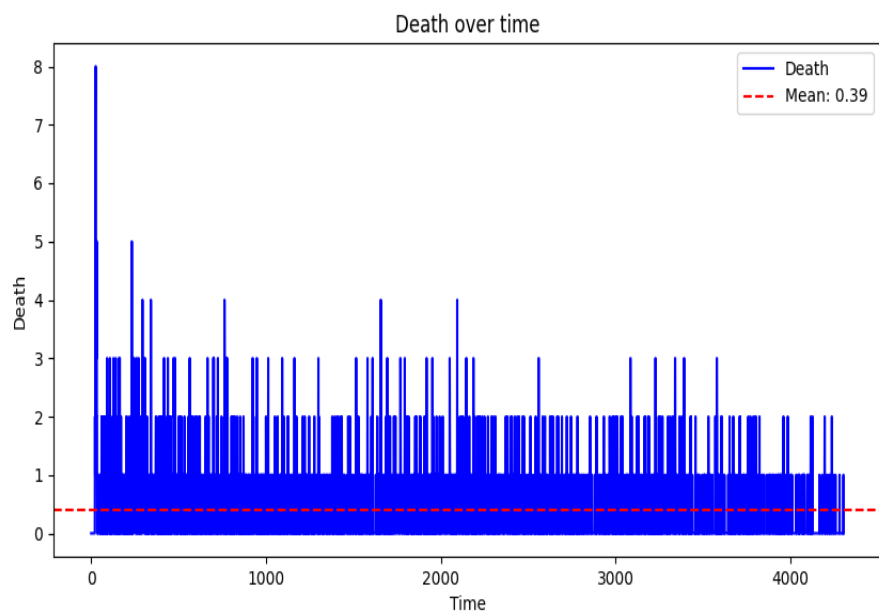Energy Needed : 0.6
Extra Energy : 0.2
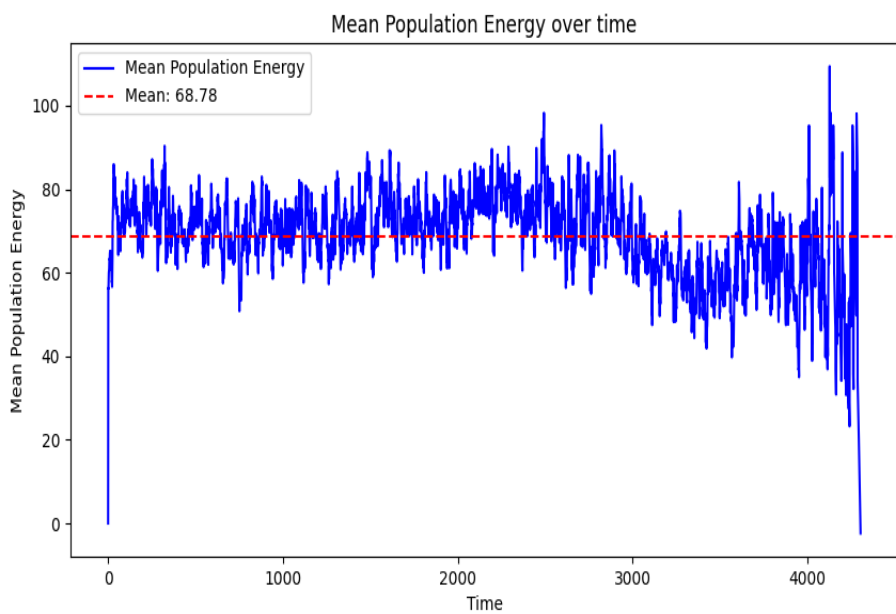Energy Requeste : 0.5
Mutation Rate : 0.1

Population over time

Mean : 34.052032520325206
Variance : 188.9761544054465
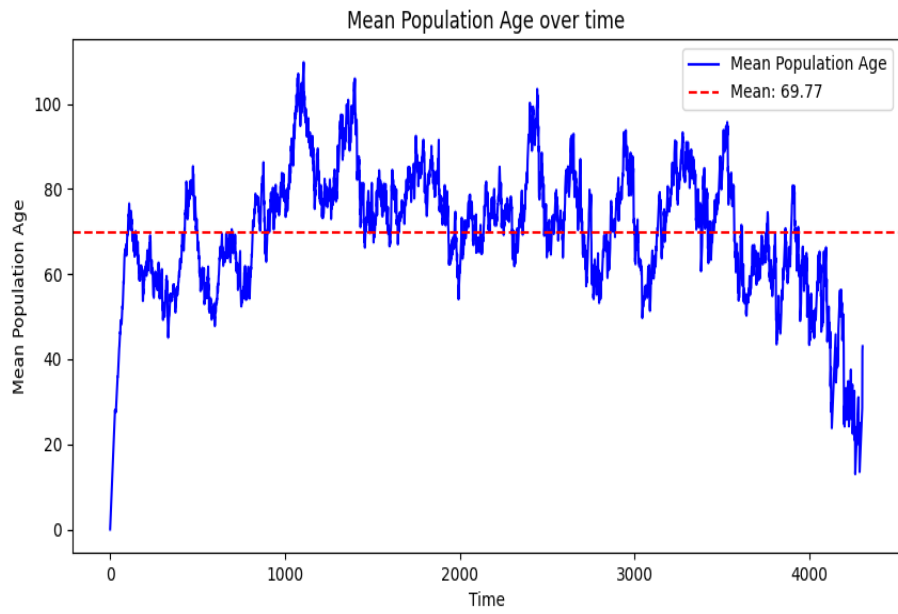Min : 1
Max : 100

Cell over time

Birth over time

Mean : 0.3679442508710801
Variance : 0.3933046008409313
Min : 0
Max : 5

Death over time

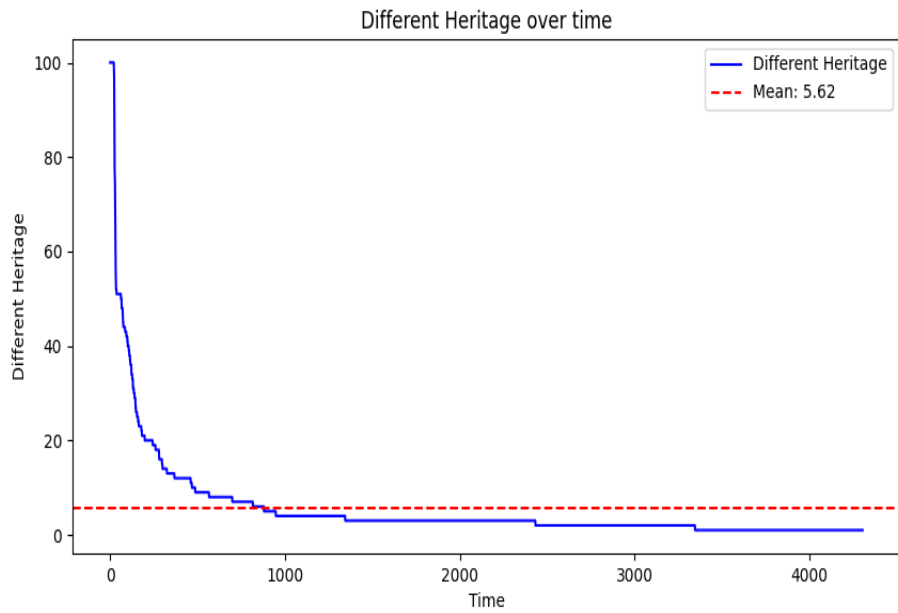Mean : 0.3909407665505226
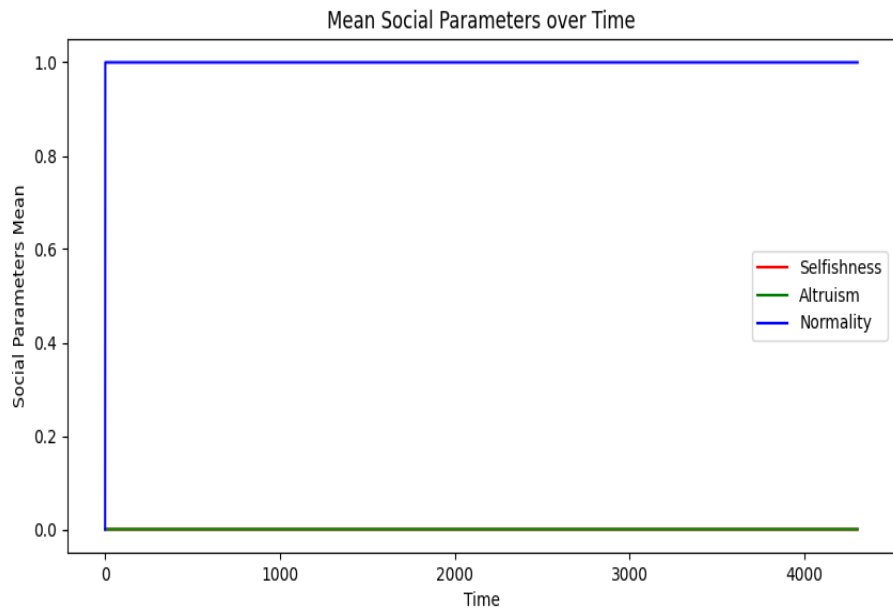Variance : 0.47503988150882004
Min : 0
Max : 8

Mean Population Energy over time

Mean : 68.78453422821393
Variance : 108.5478633166223

Mean Population Age over time

Mean : 69.77069566039158
Variance : 236.43427096889687

Mean World Energy over time

Mean Social Parameters over Time

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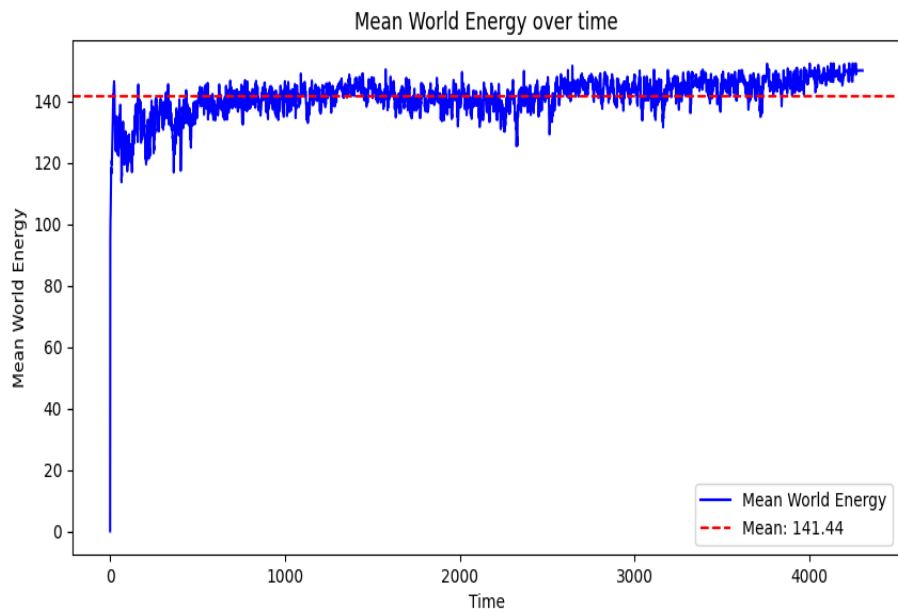
Author : Francesco Bredariol
Year : 2024/2025
This Project is done for the academic purpose of implementing the practical part of the Degree Thesis in Artificial Intelligence and Data Analytics.