Test done 2025_02_20 at 17_31_22

Initial condition
Size : 40
I_Energy : 100
I_Age : 120
I_Distr : Uniform
Active : 40
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
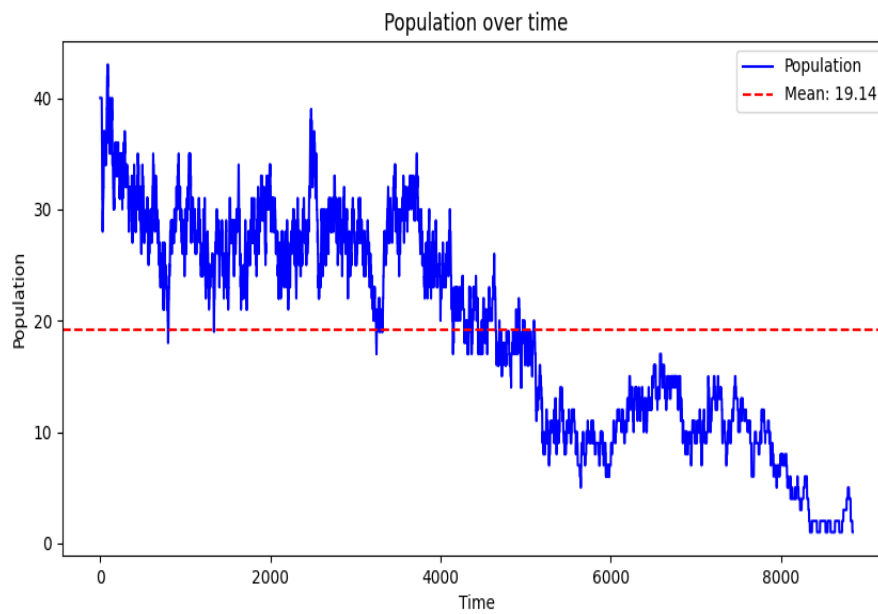Rest : 0
Reproduce : 3
Radius : 6
Maturity : 0.25
Energy Needed : 0.6
Extra Energy : 0.2
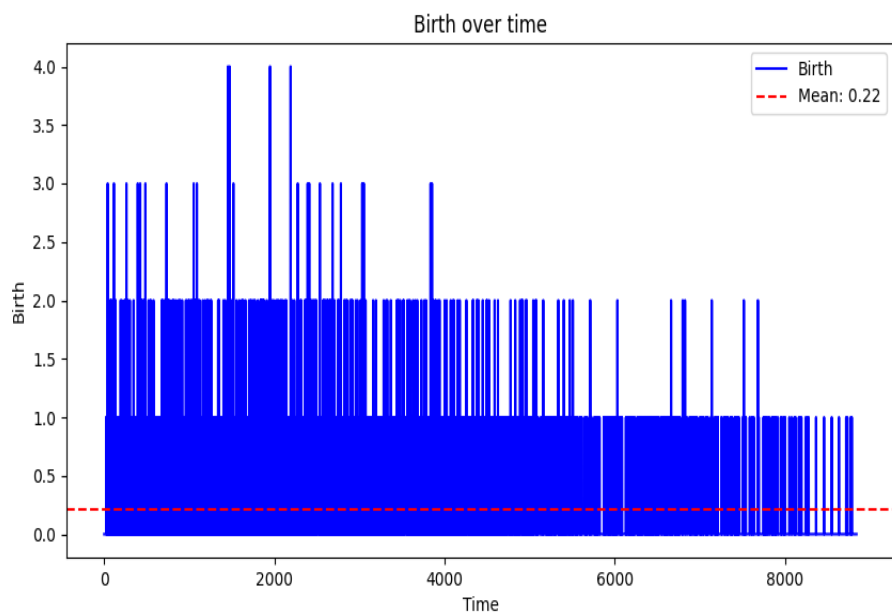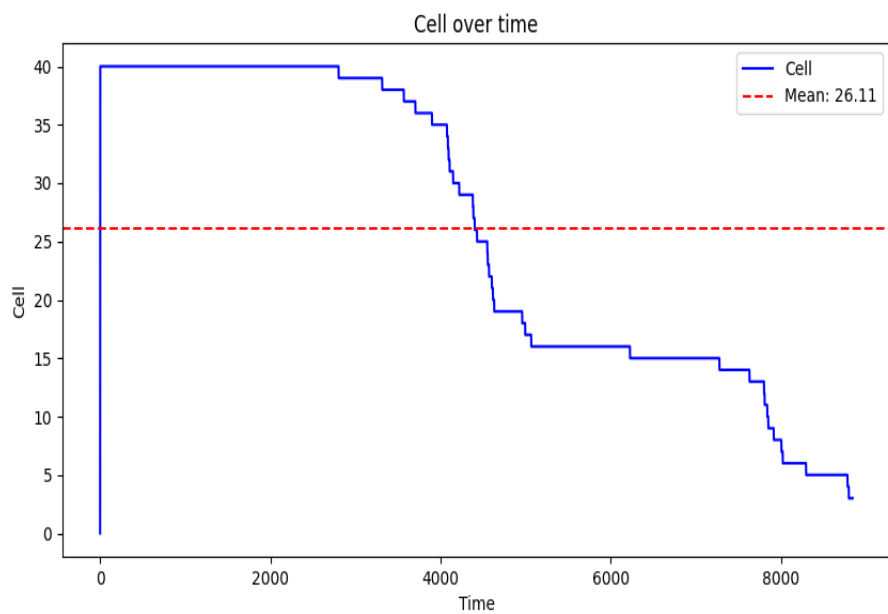Energy Requeste : 0.5
Mutation Rate : 0.1

Population over time

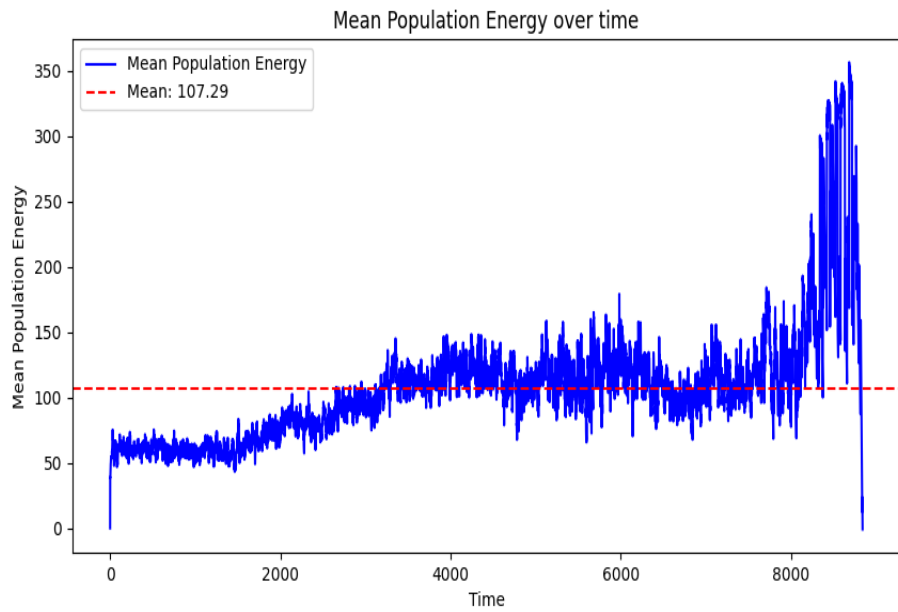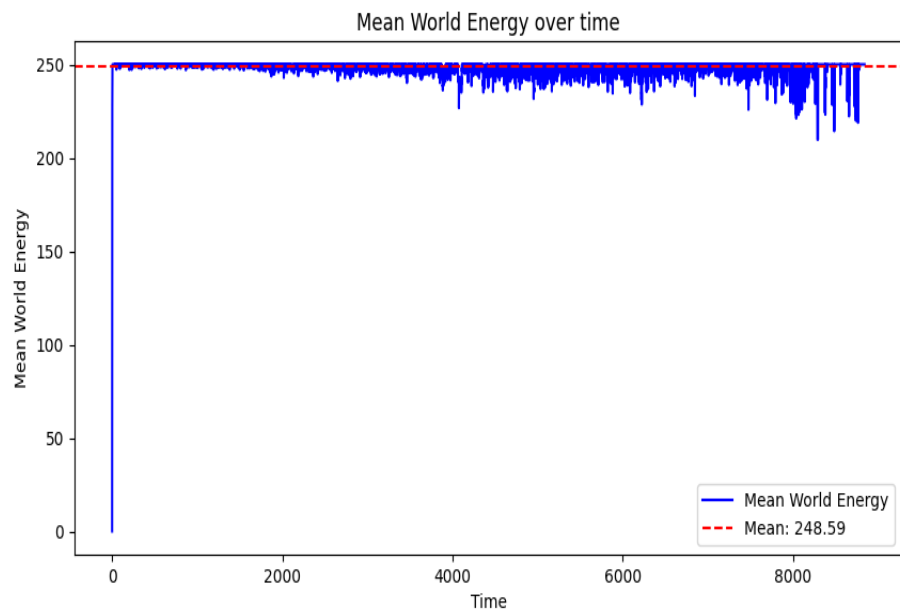Mean : 19.137427892772312
Variance : 94.26558365685801
Min : 1
Max : 43

Cell over time

Birth over time

Mean : 0.21569958149530596
Variance : 0.23975352314087225
Min : 0
Max : 4

Death over time
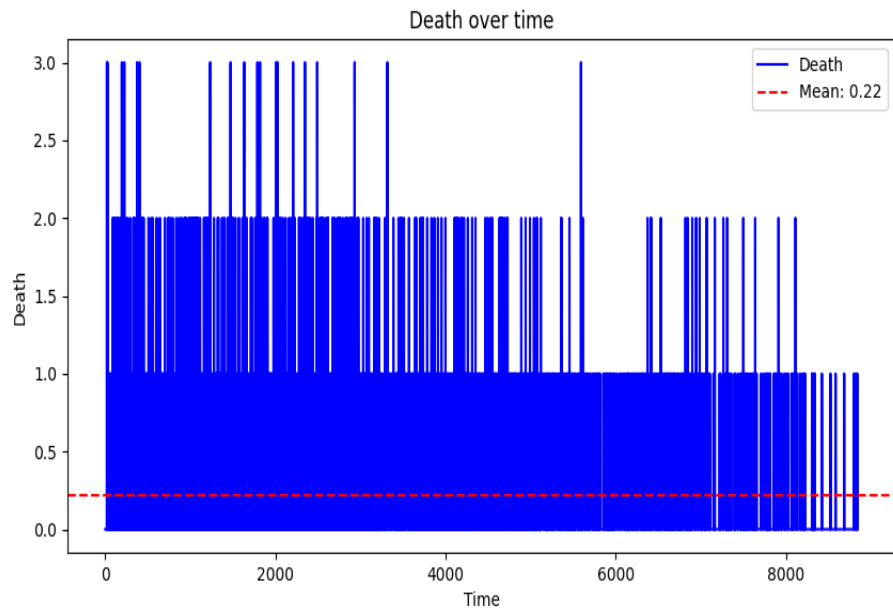
Mean : 0.220110847189232
Variance : 0.23681306315685496
Min : 0
Max : 3

Mean Population Energy over time

Mean : 107.29032974117047
Variance : 2125.439336548783

Mean World Energy over time

Mean Social Parameters over Time

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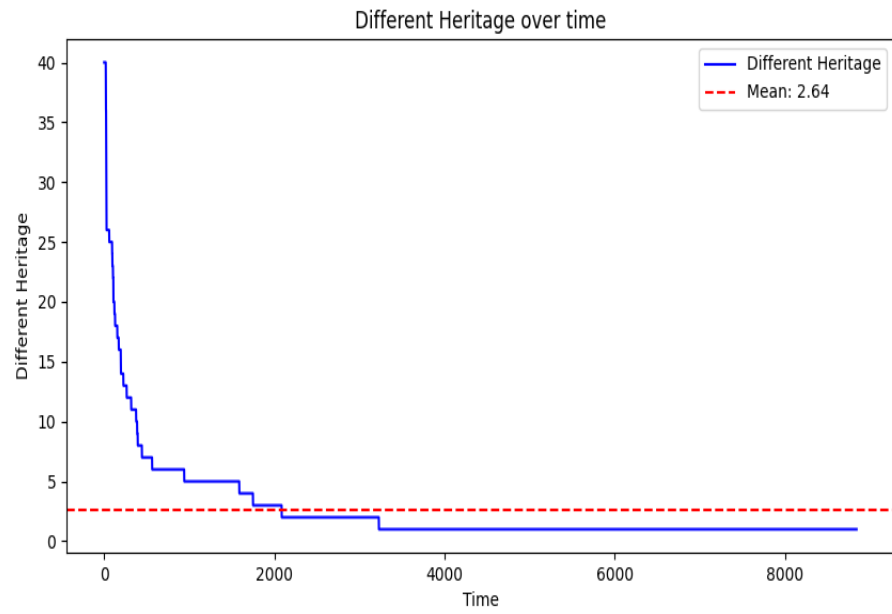
Author : Francesco Bredariol
Year : 2024/2025
This Project is done for the academic purpose of implementing the practical part of the Degree Thesis in Artificial Intelligence and Data Analytics.