Test done 2025_02_19 at 17_28_50

Initial condition
Size : 20
I_Energy : 1000
I_Age : 200
I_Distr : Uniform
Active : 100
C_Min : 100
C_Max : 500
C_Regen : 25
C_Distr : Uniform
Height : 100
Width : 100
P_Distr : Uniform
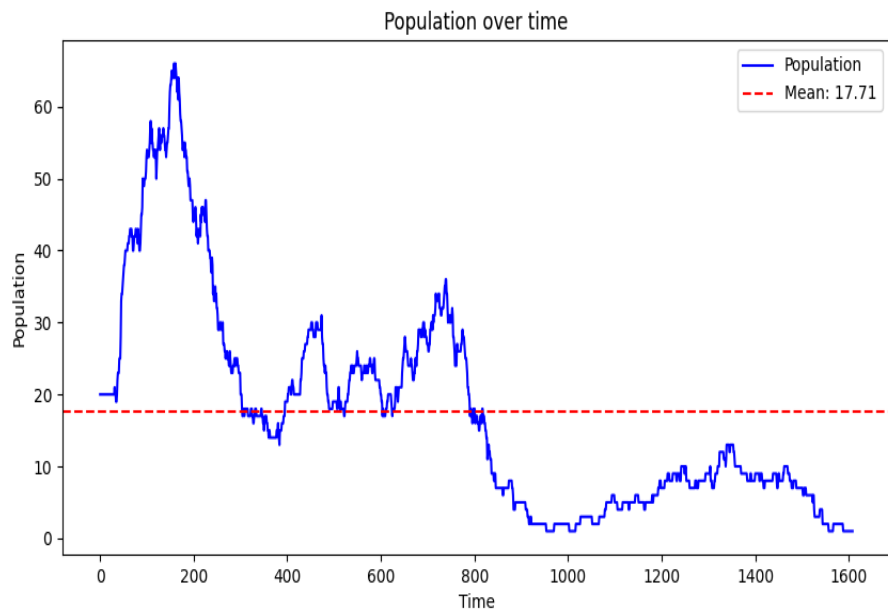Move : 5
Eat : 1
Rest : 0
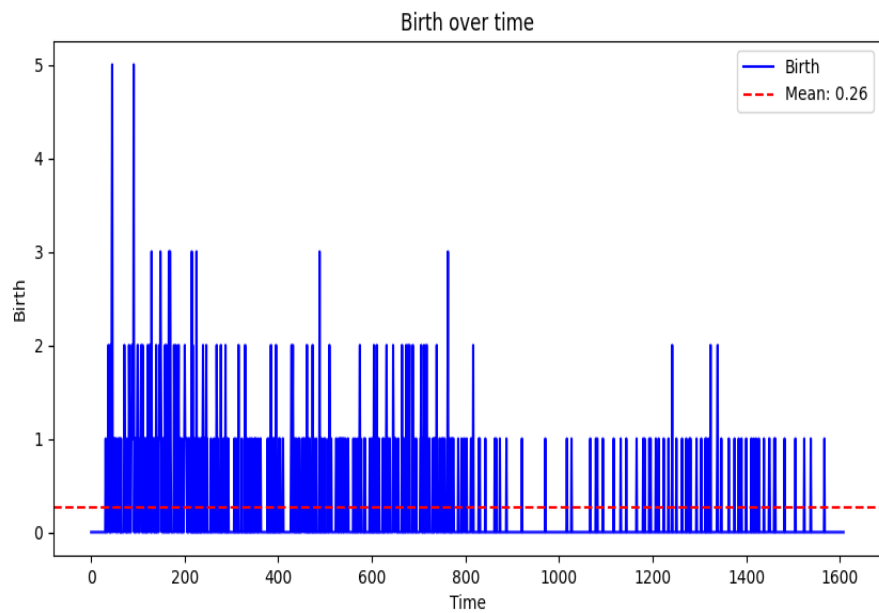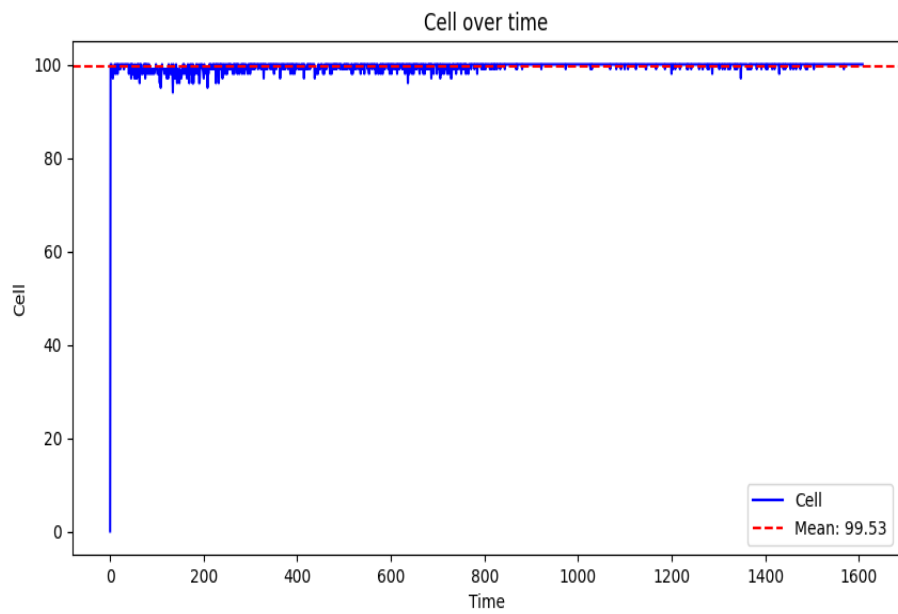Reproduce : 15
Radius : 4
Maturity : 0.18
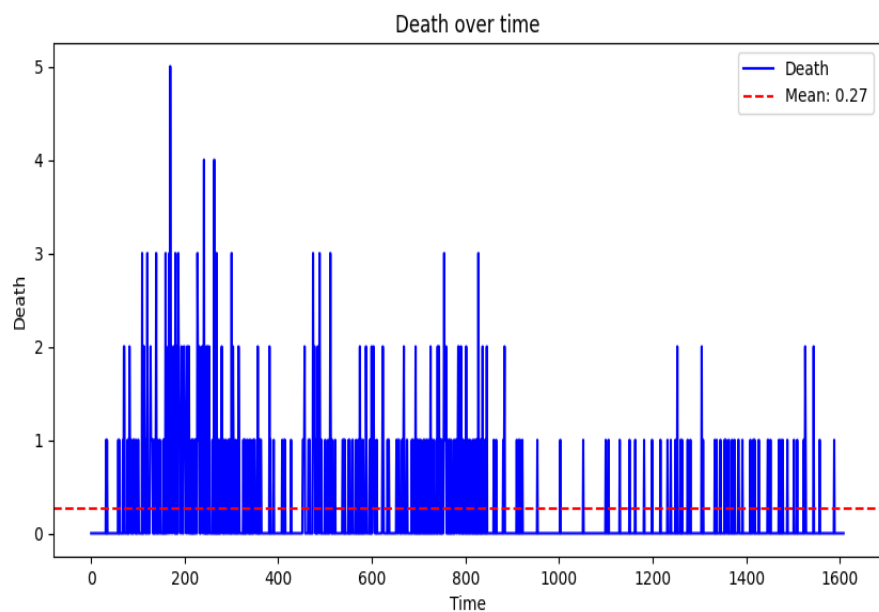Energy Needed : 0.6
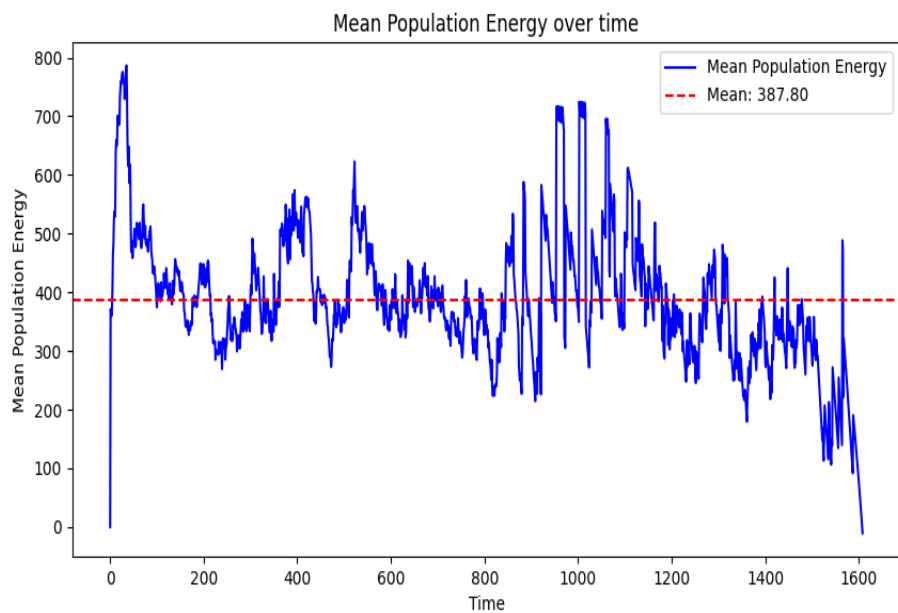Extra Energy : 0.2
Mutation Rate : 0.1

Population over time

Mean : 17.709577114427862
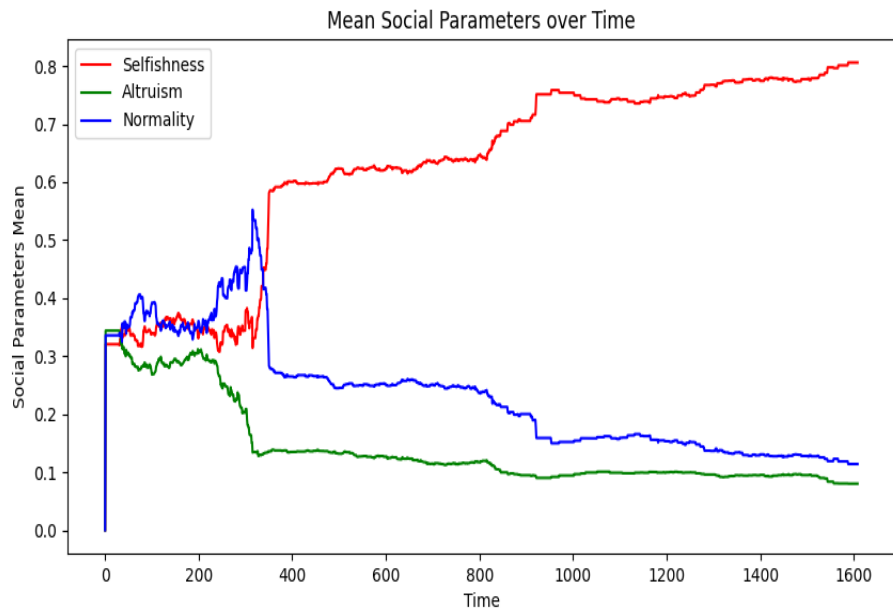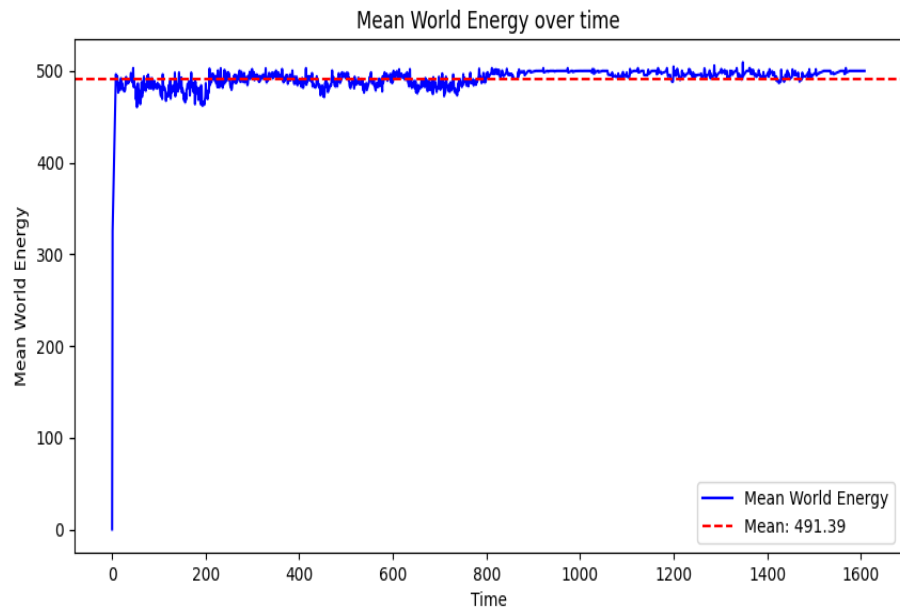Variance : 223.54438589081957
Min : 1
Max : 66

Cell over time

Birth over time

Mean : 0.25808457711442784
Variance : 0.3233177241899953

Death over time

Mean : 0.26990049751243783
Variance : 0.35128307467636943

Mean Population Energy over time

Mean : 387.797258058911
Variance : 13047.922627604381

Mean World Energy over time

Mean Social Parameters 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.