Test done 2025_02_19 at 17_30_58

Initial condition
Size : 21
I_Energy : 1000
I_Age : 150
I_Distr : Uniform
Active : 100
C_Min : 100
C_Max : 700
C_Regen : 25
C_Distr : Uniform
Height : 100
Width : 100
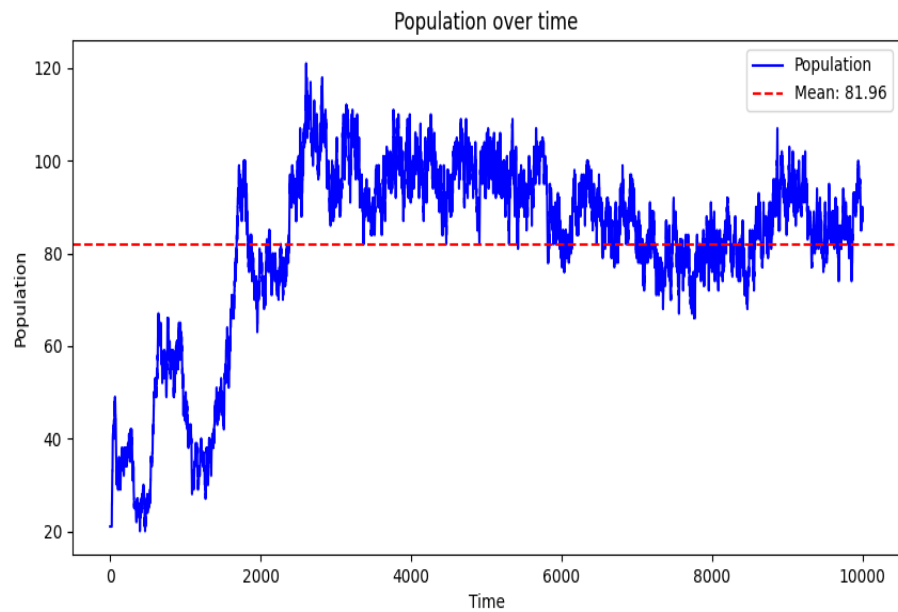P_Distr : Uniform
Move : 5
Eat : 1
Rest : 0
Reproduce : 15
Radius : 4
Maturity : 0.18
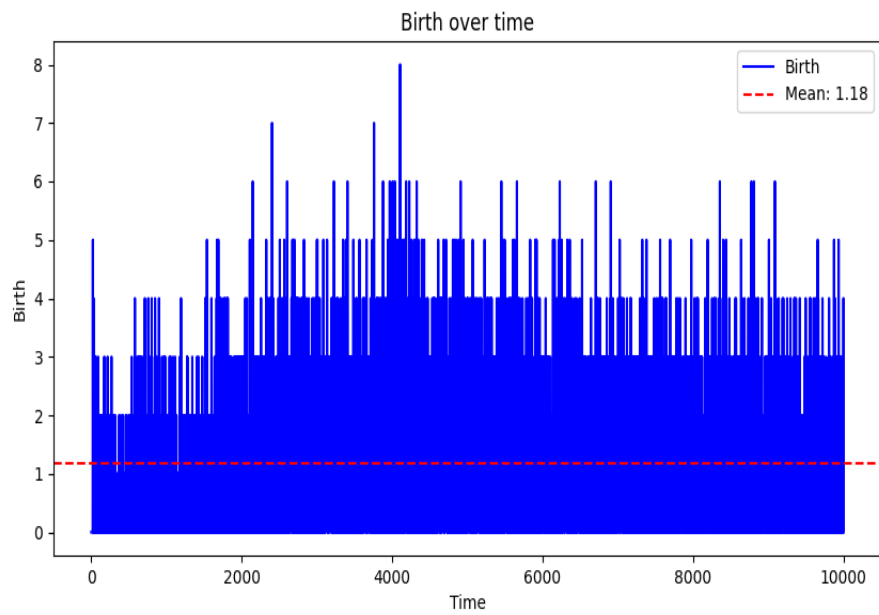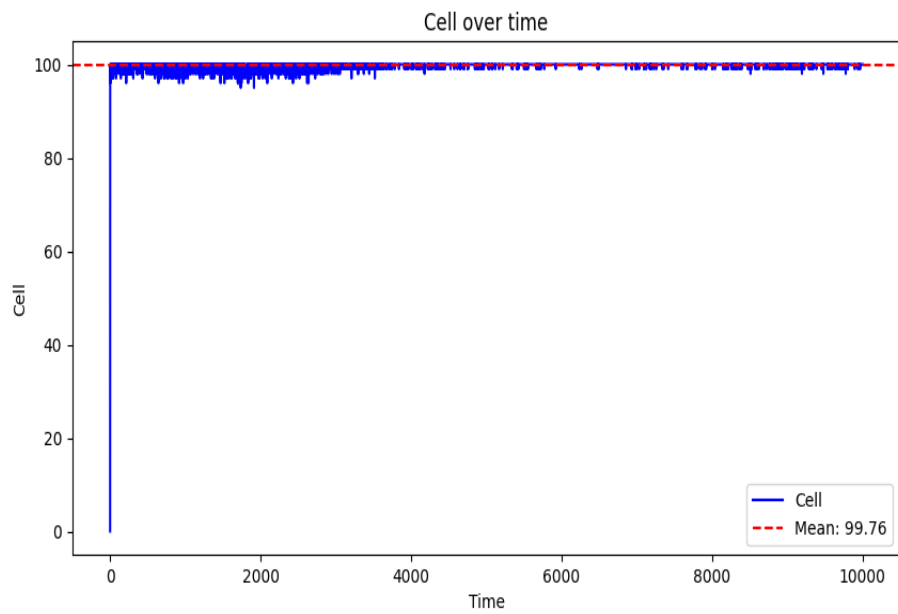Energy Needed : 0.6
Extra Energy : 0.2
Mutation Rate : 0.1

Population over time

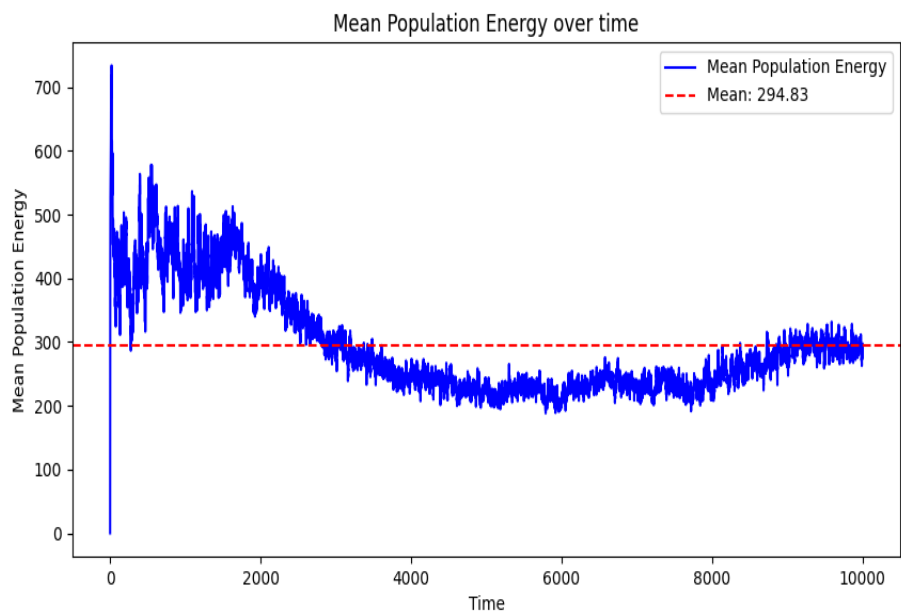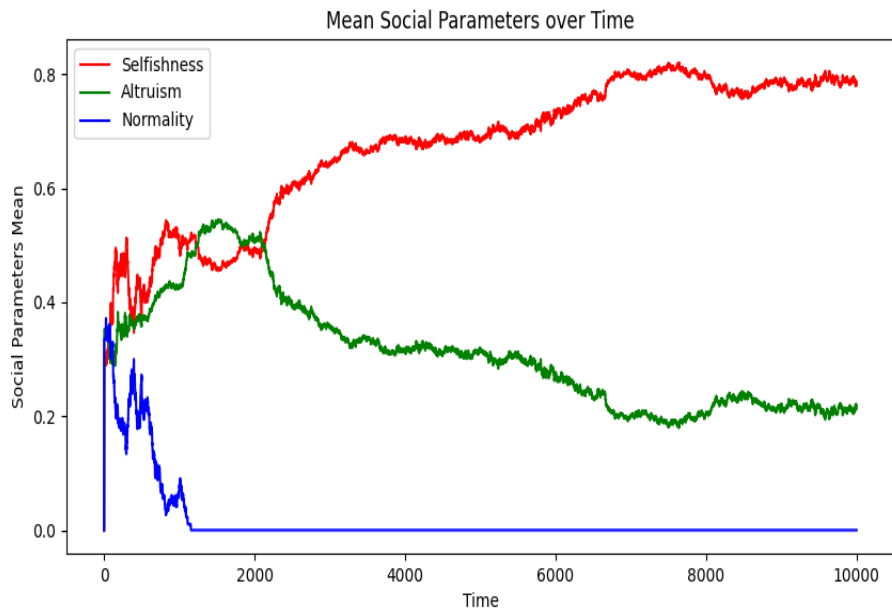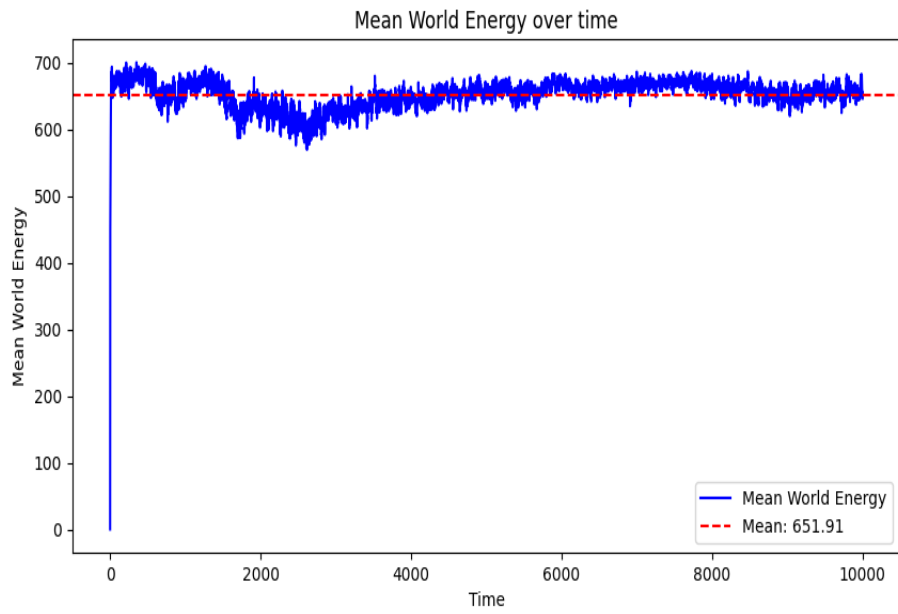Mean : 81.95530446955304
Variance : 406.133088800909
Min : 20
Max : 121

Cell over time

Birth over time

Mean : 1.1826817318268172
Variance : 1.2825957880164387

Death over time
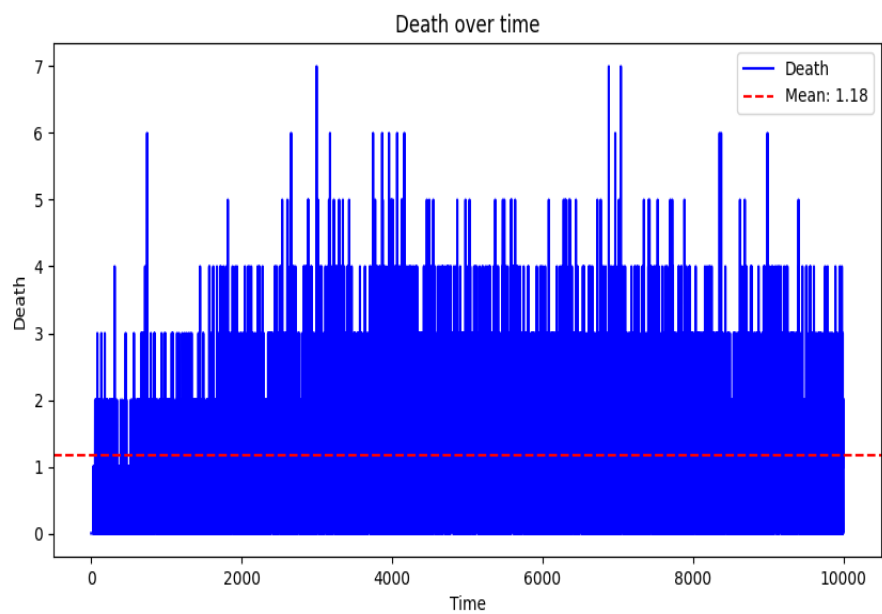
Mean : 1.1760823917608239
Variance : 1.2237695138595326

Mean Population Energy over time

Mean : 294.8273408992343
Variance : 6636.762908118839

Mean World Energy over time

Mean Social Parameters over Time

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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.