Test done 2025_02_21 at 10_37_11

Initial condition
Size : 100
I_Energy : 100
I_Age : 100
I_Distr : Uniform
Active : 100
C_Min : 10
C_Max : 100
C_Regen : 5
C_Distr : Uniform
Height : 50
Width : 50
P_Distr : Uniform
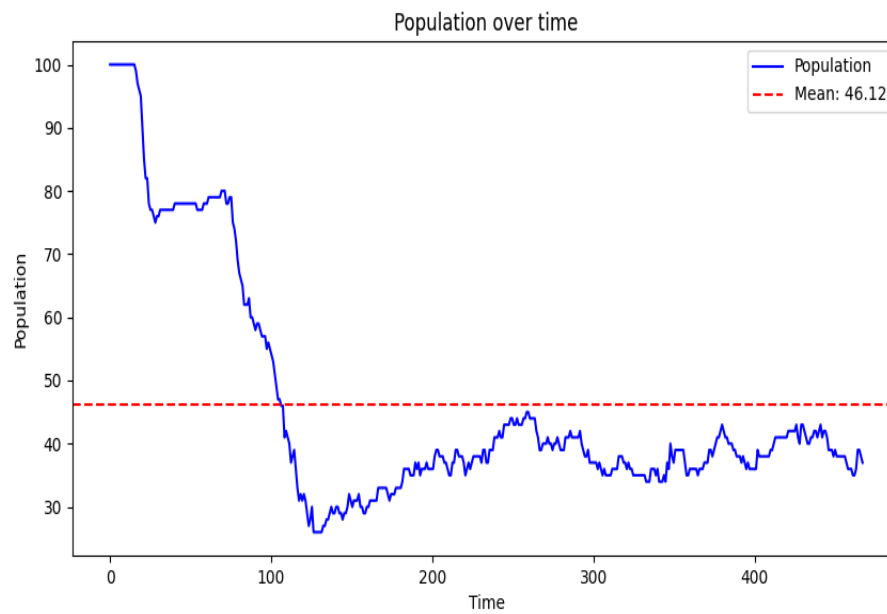Move : 1
Eat : 1
Rest : 0
Reproduce : 5
Radius : 6
Maturity : 0.25
Energy Needed : 0.6
Extra Energy : 0.2
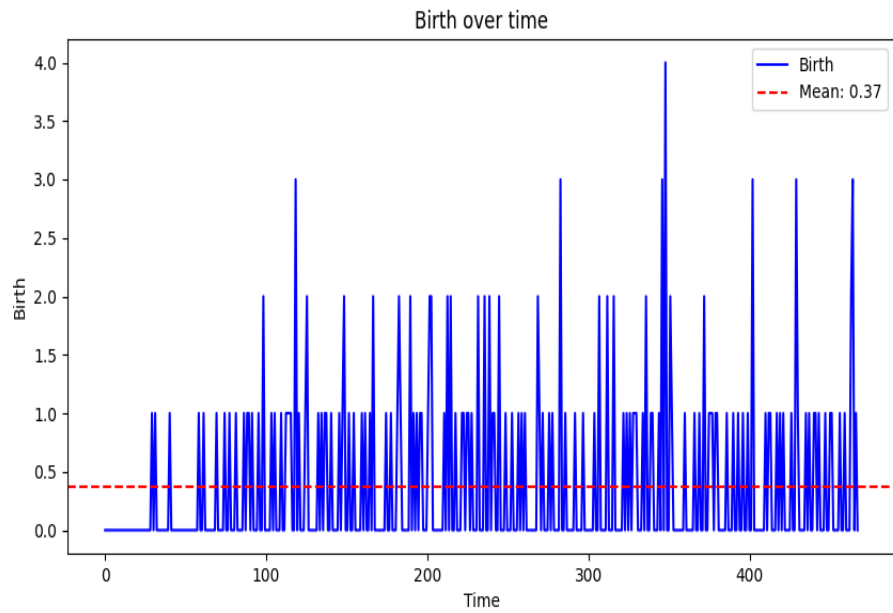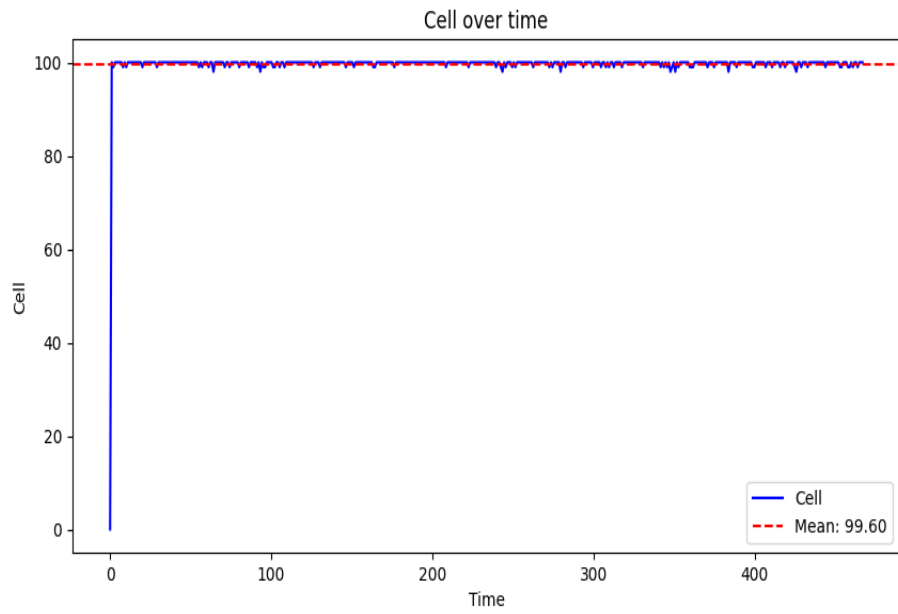Energy Requeste : 0.5
Mutation Rate : 0.1

Population over time

Mean : 46.1220556745182
Variance : 338.1713979155299
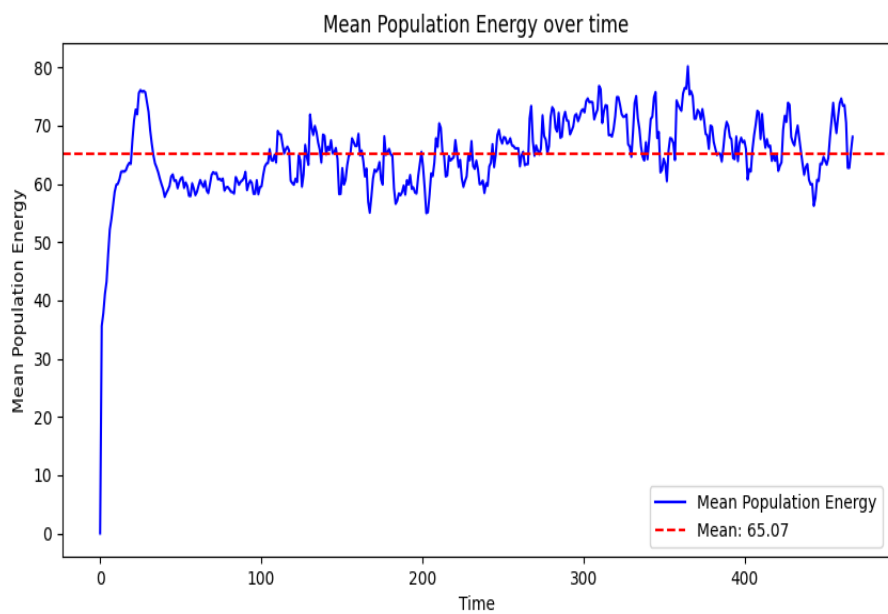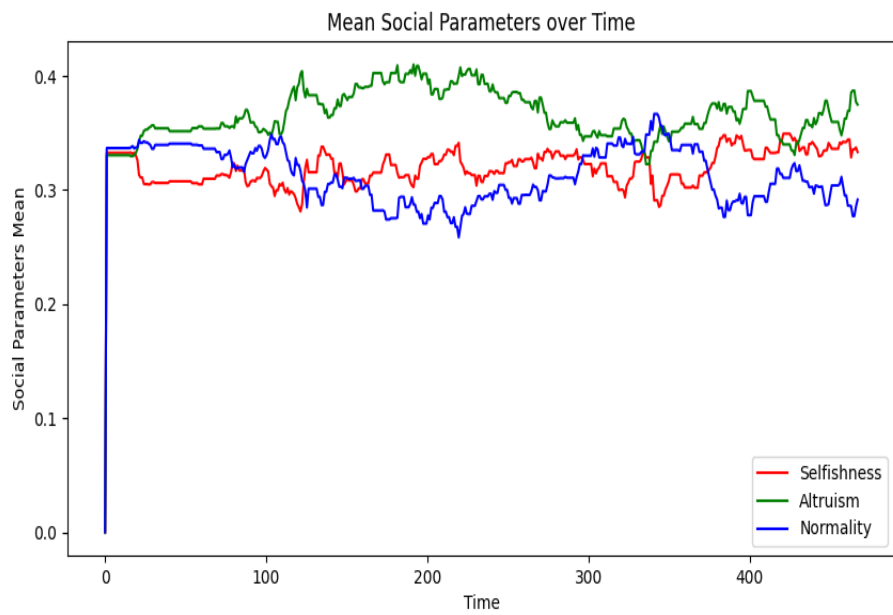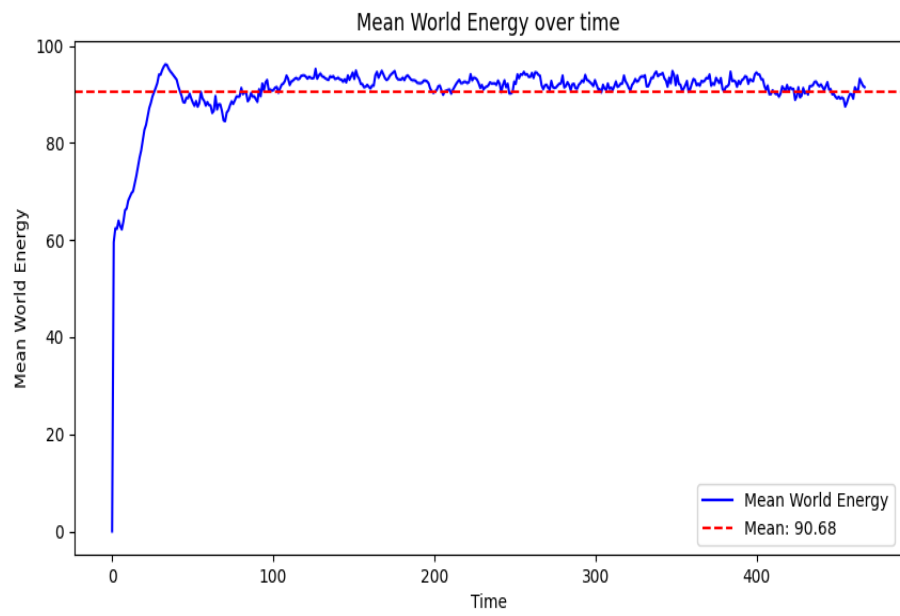Min : 26
Max : 100

Cell over time

Birth over time

Mean : 0.3747323340471092
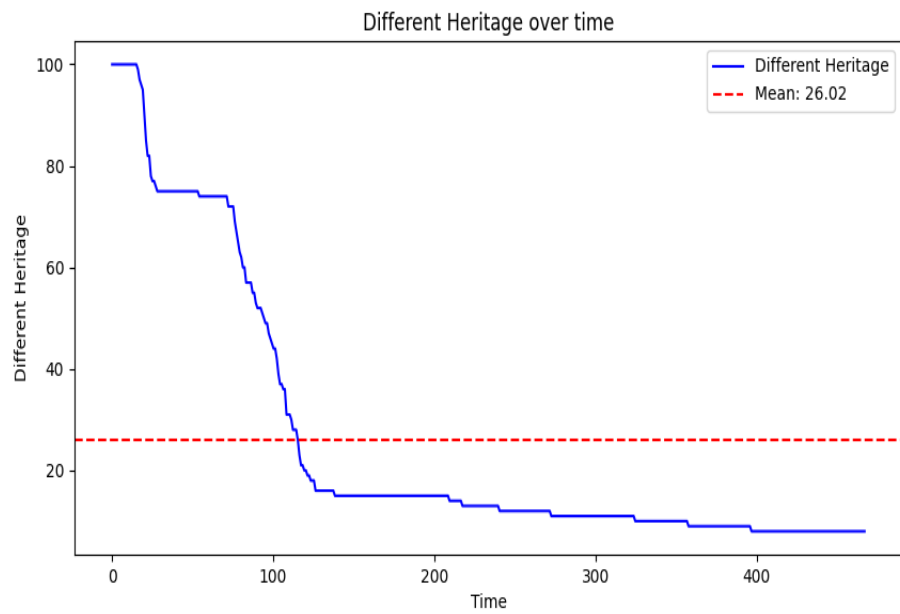Variance : 0.43131015319433796
Min : 0
Max : 4

Death over time
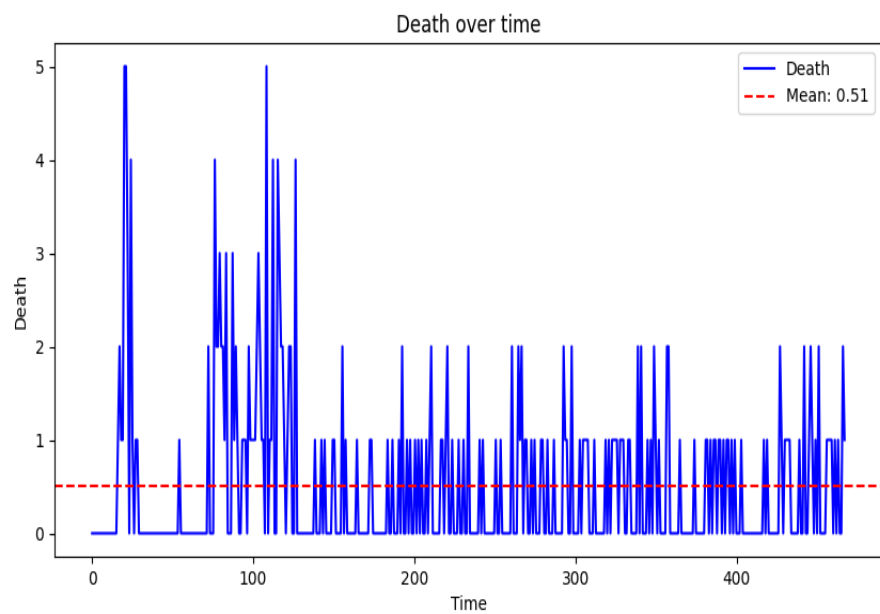
Mean : 0.5096359743040685
Variance : 0.7295645355795111
Min : 0
Max : 5

Mean Population Energy over time

Mean : 65.06644439473791
Variance : 40.858395966252914

Mean World Energy over time

Mean Social Parameters over Time

Different Heritage 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.