Test done 2025_02_24 at 15_24_35

Initial condition
Size : 100
I_Energy : 100
I_Age : 100
I_Distr : Uniform
Active : 100
C_Min : 25
C_Max : 200
C_Regen : 25
C_Distr : Uniform
Height : 100
Width : 100
P_Distr : Uniform
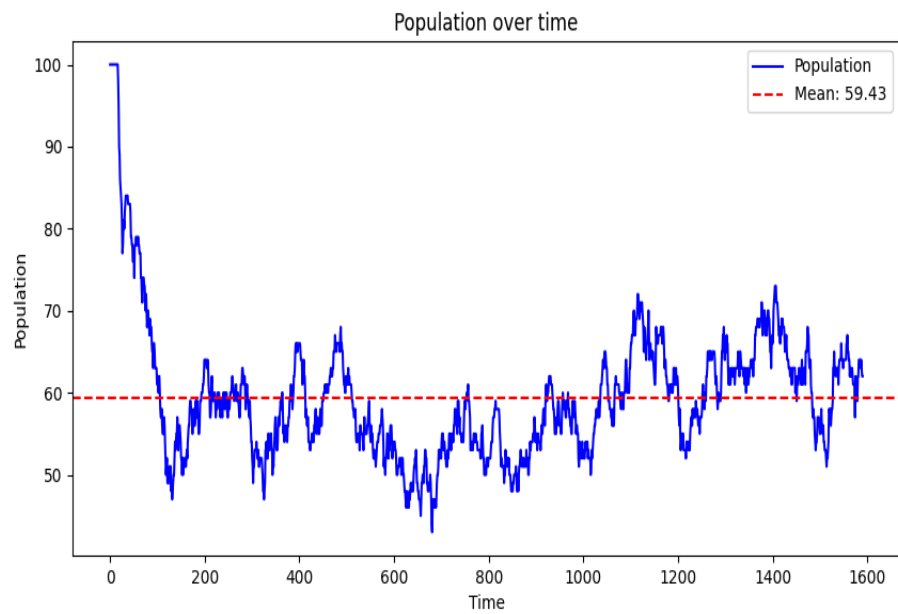Move : 1
Eat : 1
Rest : 0
Reproduce : 5
Radius : 8
Maturity : 0.18
Energy Needed : 0.6
Extra Energy : 0.2
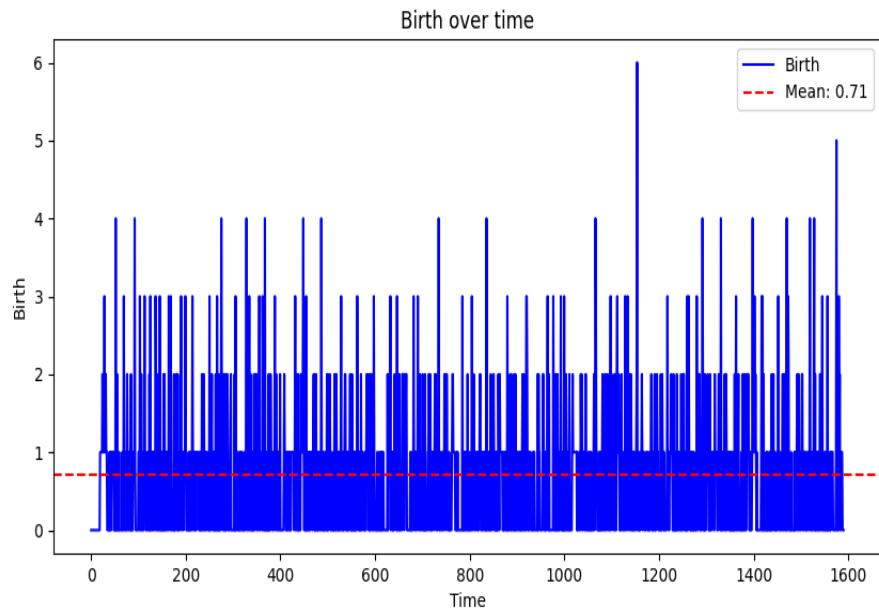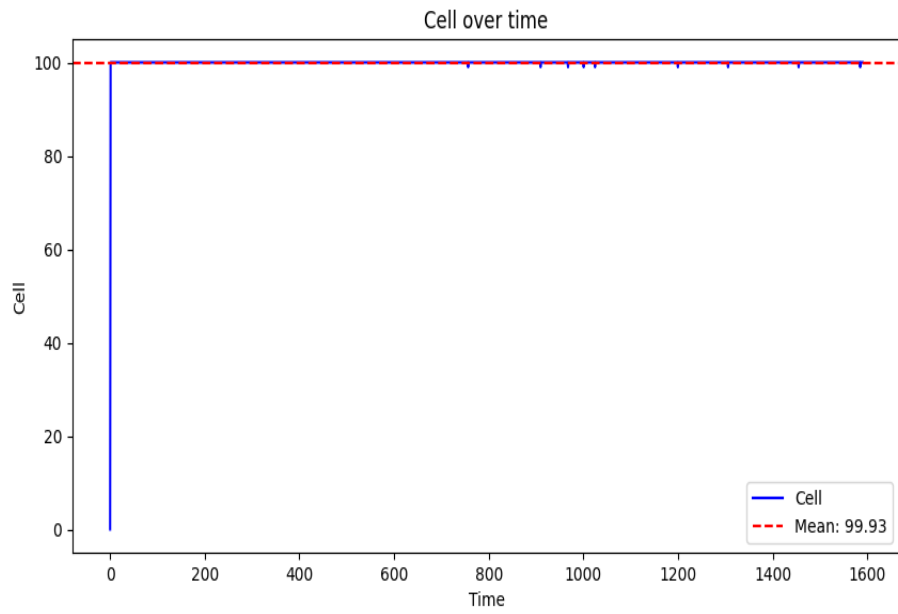Energy Requeste : 0.5
Mutation Rate : 0.1

Population over time

Mean : 59.4251572327044
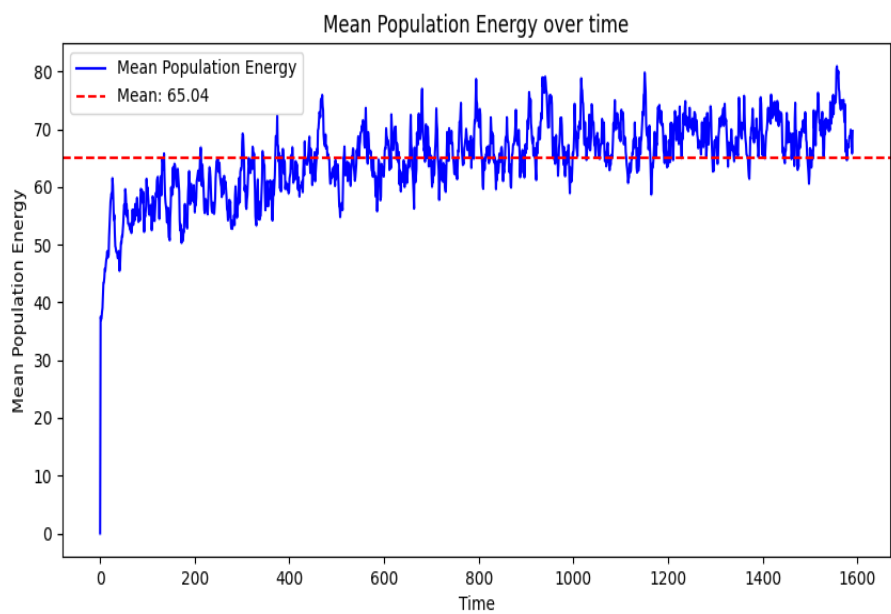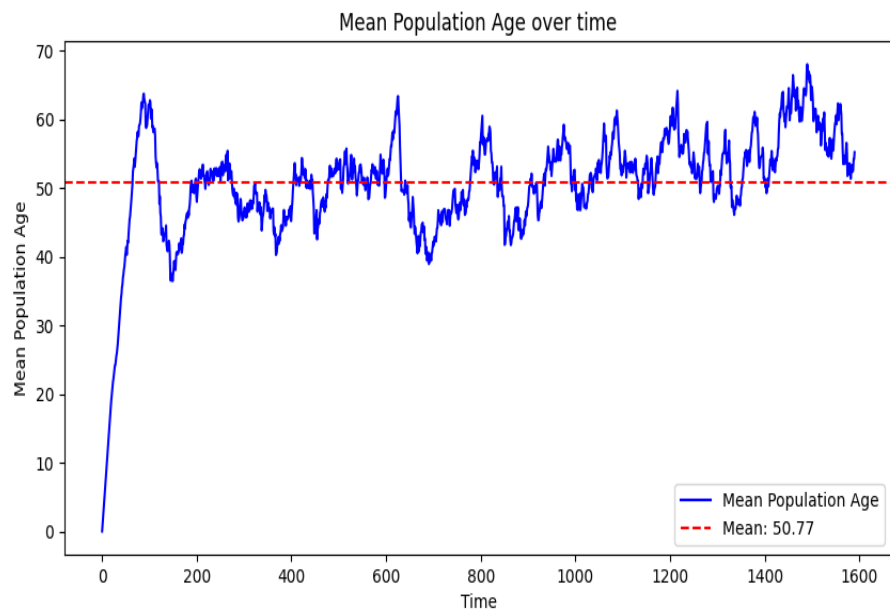Variance : 65.76389541552945
Min : 43
Max : 100

Cell over time

Birth over time

Mean : 0.7132075471698113
Variance : 0.7919639254776313
Min : 0
Max : 6

Death over time
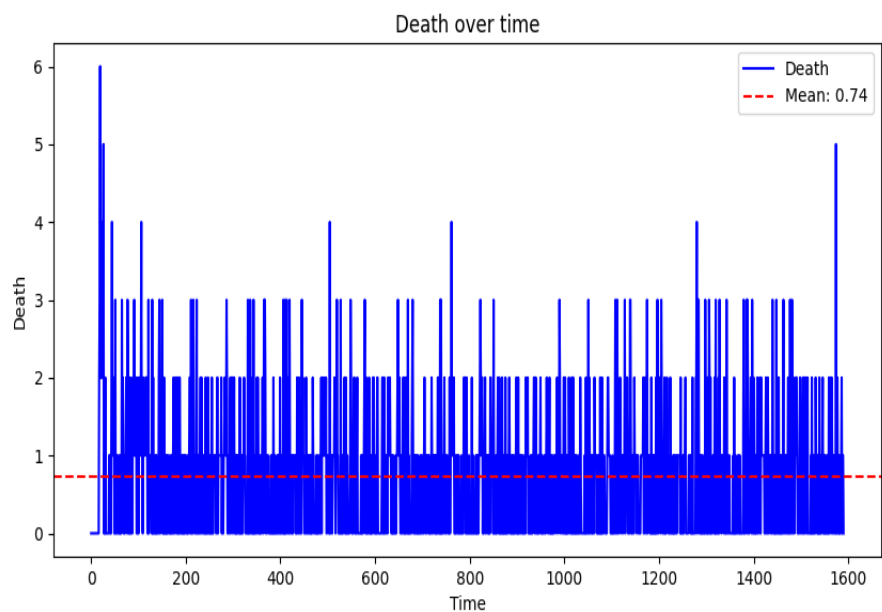
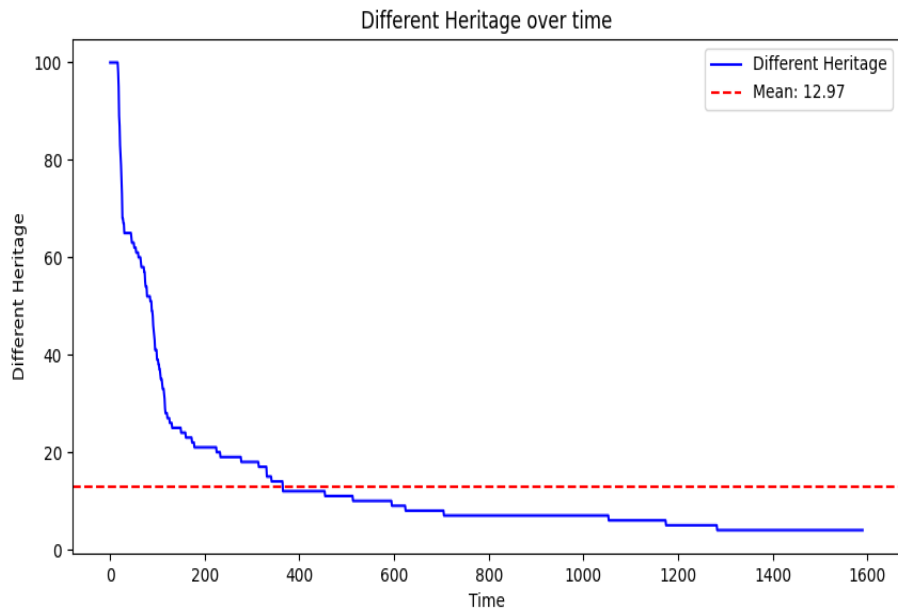Mean : 0.7371069182389937
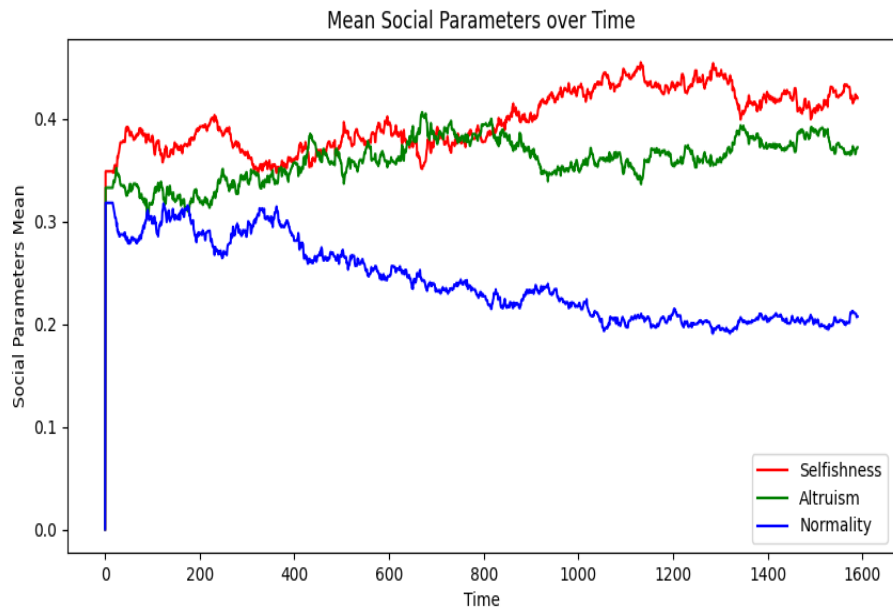Variance : 0.7786859697005657
Min : 0
Max : 6

Mean Population Energy over time

Mean : 65.04425959399403
Variance : 41.79703930557607

Mean Population Age over time

Mean : 50.77188996724215
Variance : 62.51174083816901

Mean World Energy over time

Mean Social Parameters over Time

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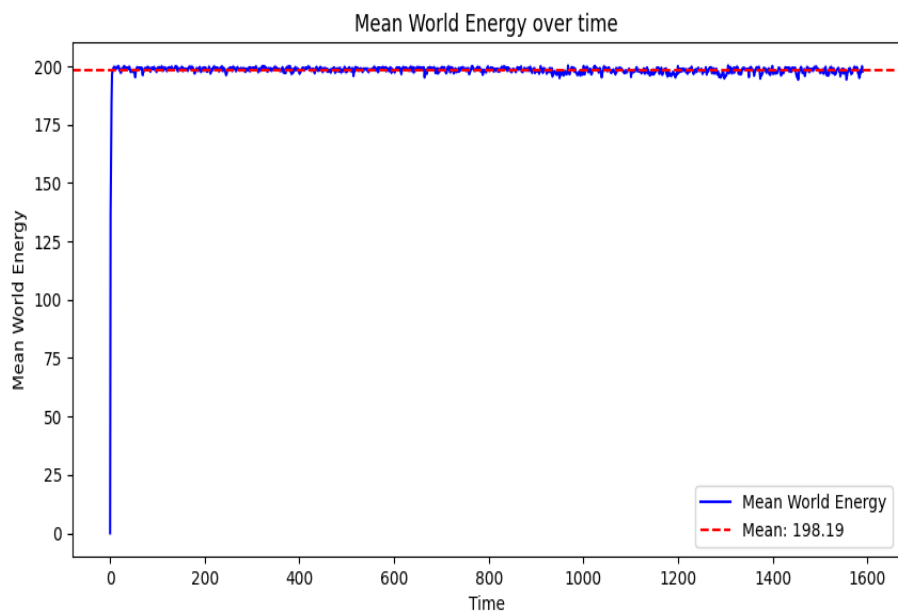
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Year : 2024/2025
This Project is done for the academic purpose of implementing the practical part of the Degree Thesis in Artificial Intelligence and Data Analytics.