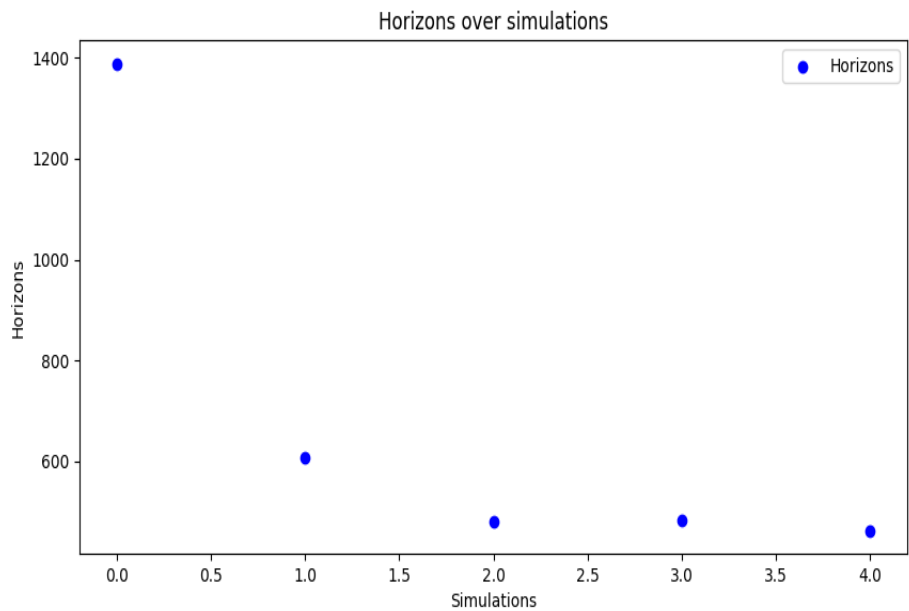


Test done 2025_06_26 at 12_23_56

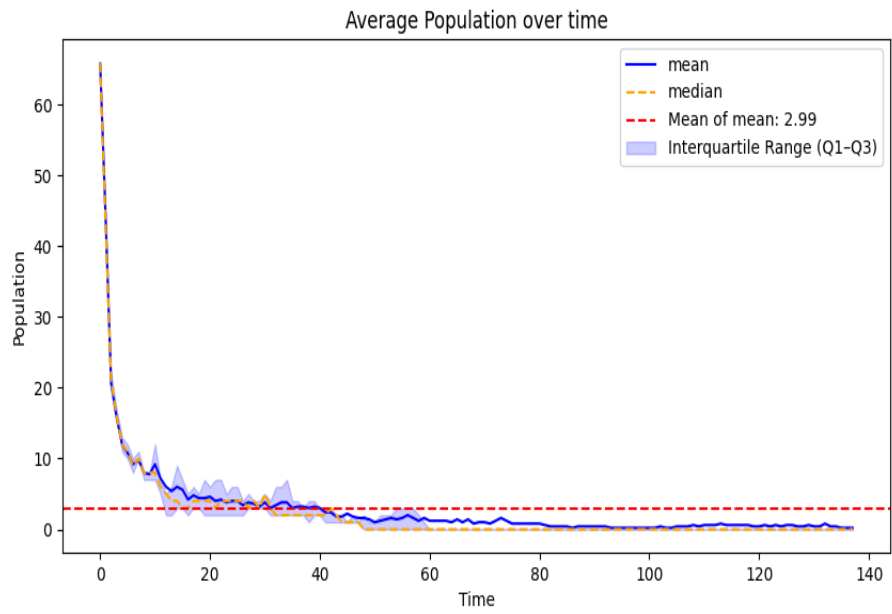
Number of simulation done : 5. The window time of the simulation is 10

Initial condition

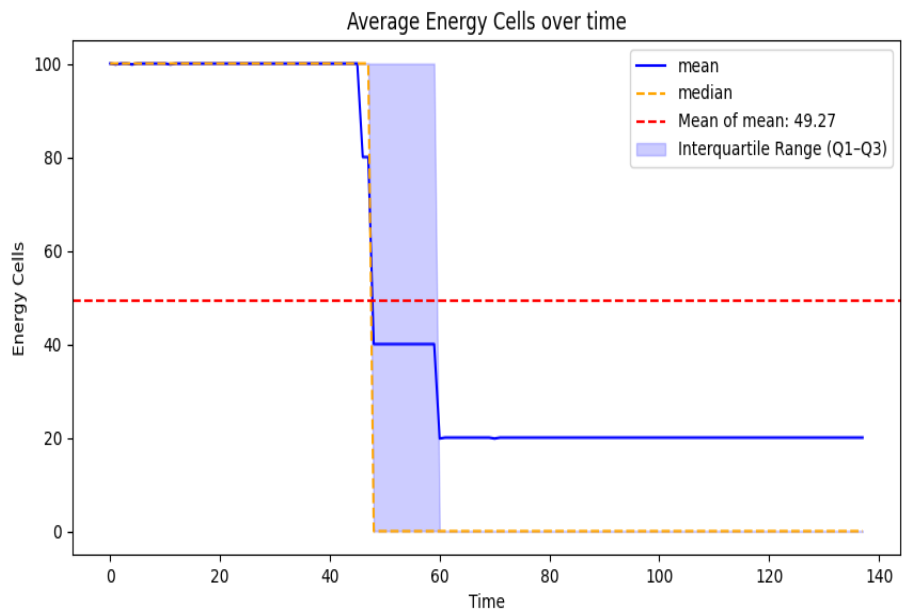
Size : 100
I_Energy : 120
I_Age : 100
I_Maturity : 20
I_Distr : Behaviors Corners
Radius : 6
Active : 100
C_Min : 15
C_Max : 150
C_Regen : 5
C_Distr : 4 Islands
Height : 60
Width : 60
P_Distr : Uniform
Move : 1
Eat : 2
Rest : 0
Reproduce : 5
N_Simulations : 5
Seed : 100
Energy Needed : 0.6
Extra Energy : 0.2
Energy Requeste : 0.5
Mutation Rate : 0.1



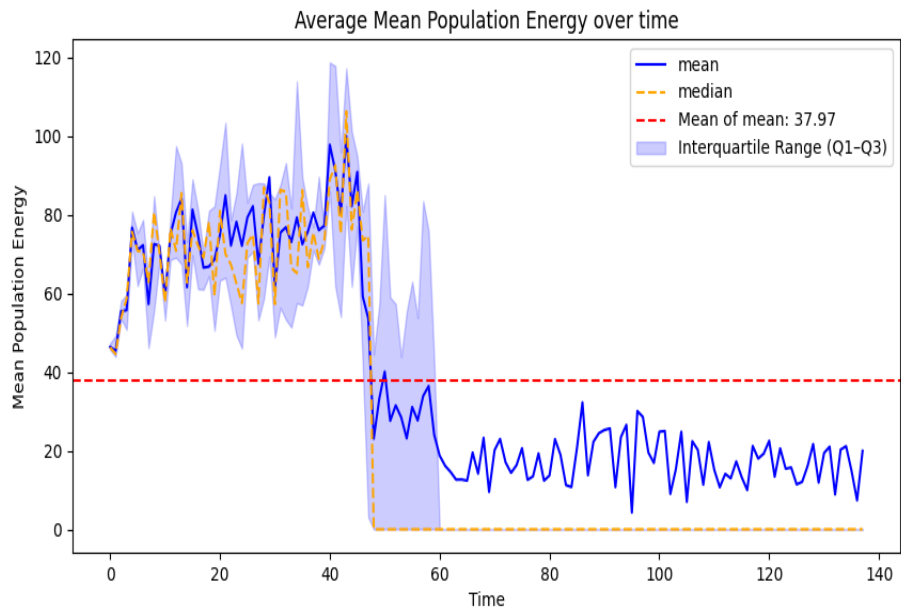
Mean : 685.0
Variance : 126569.2



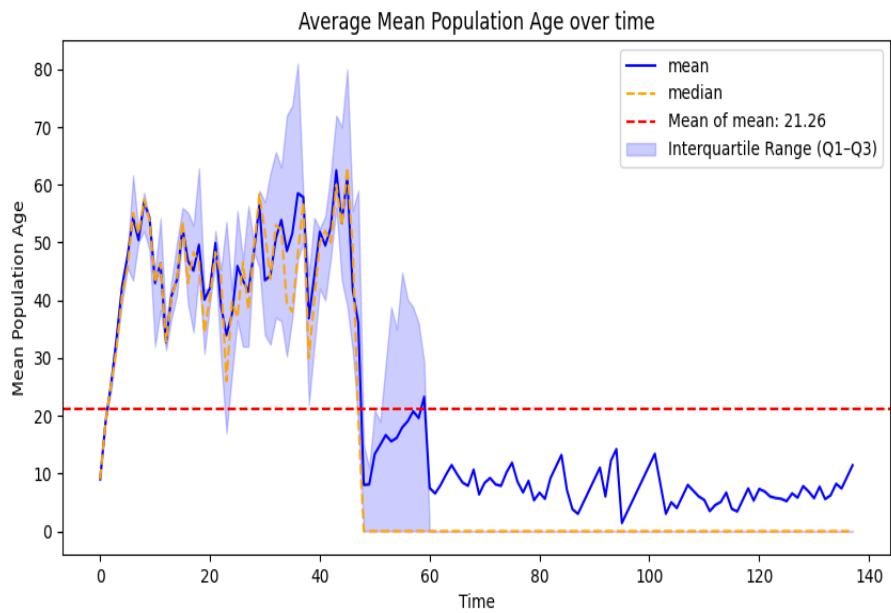
Mean : 2.994202898550725
Variance : 50.57793740810753



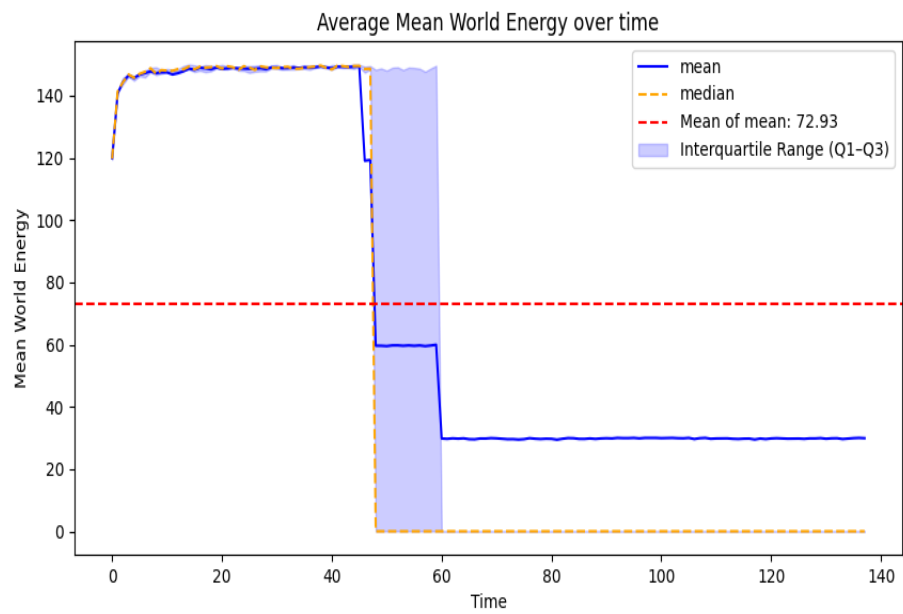
Mean : 49.268115942028984
Variance : 1362.9730413778616



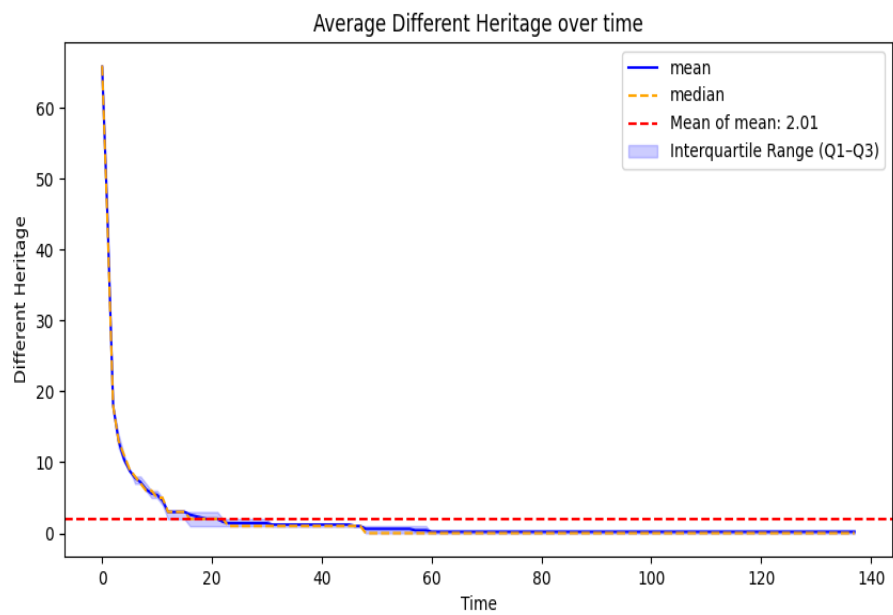
Mean : 37.97204821667941
Variance : 754.195898089205



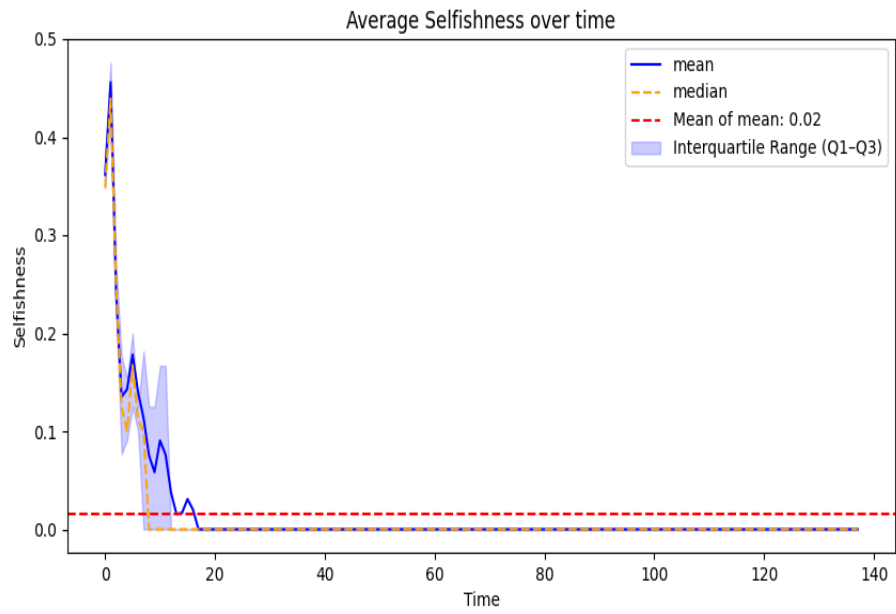
Mean : 21.26304722688035
Variance : 353.6394149814012



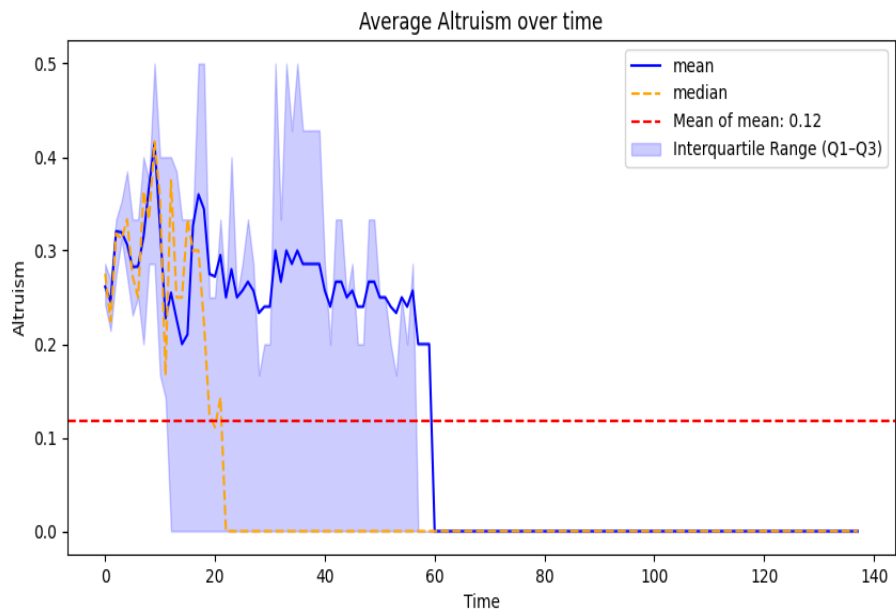
Mean : 72.9345864245278
Variance : 2959.2310697476178



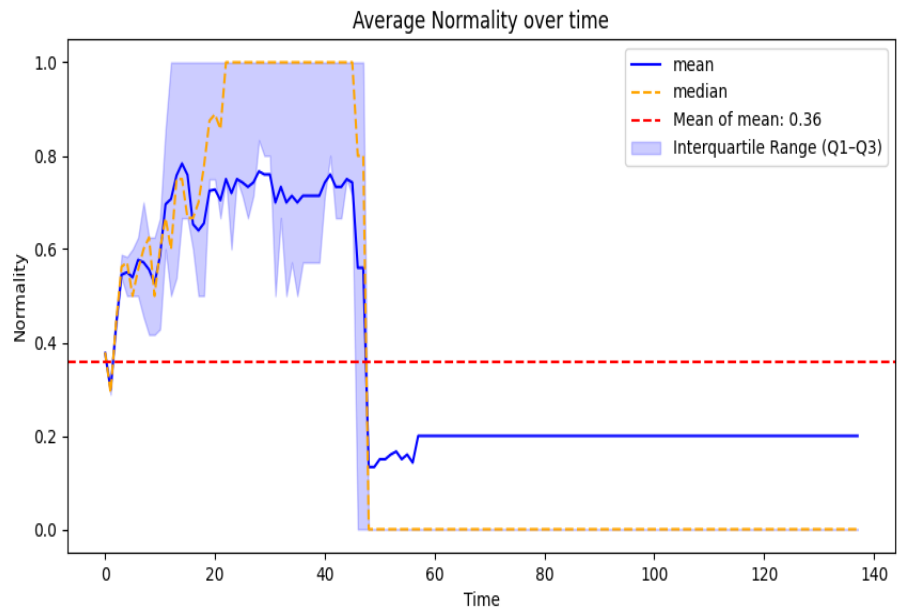
Mean : 2.0072463768115942
Variance : 48.804875026254976



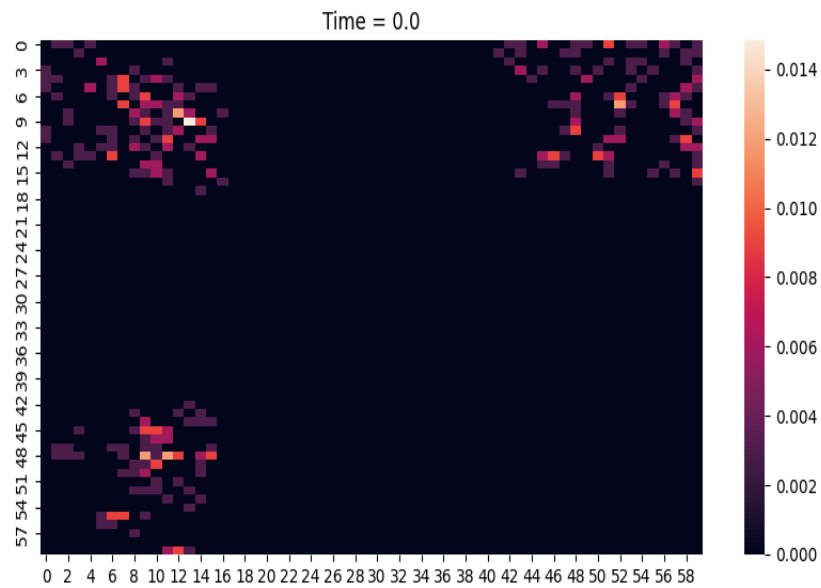
Mean : 0.015858307011226005
Variance : 0.003558771349265418

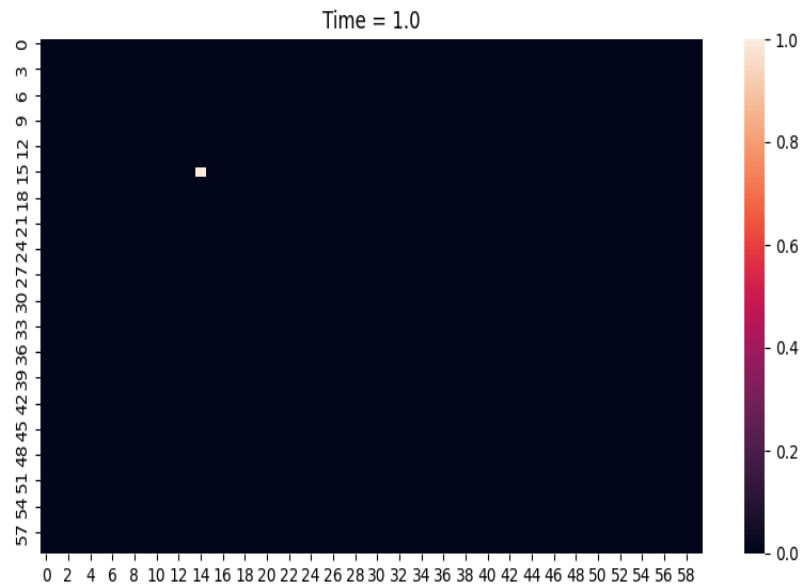
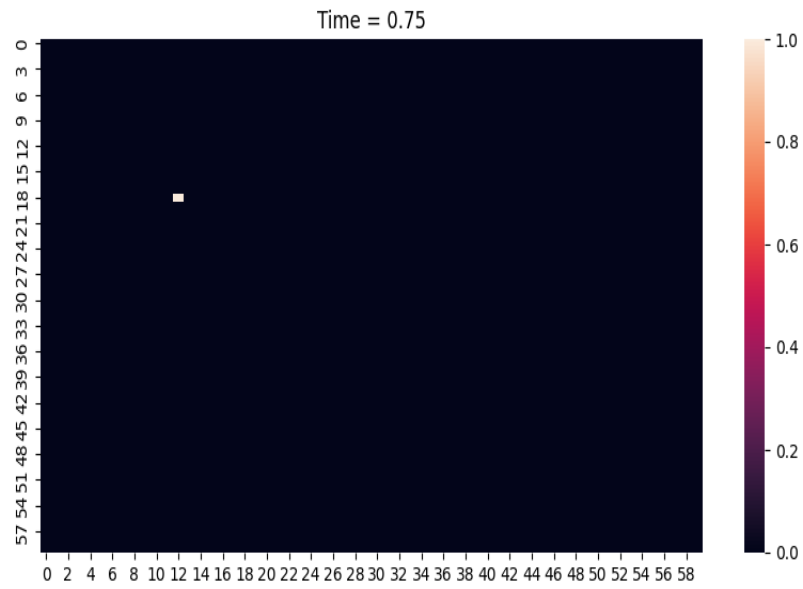


Mean : 0.11722134675279951
Variance : 0.018617358485056076



Mean : 0.3596739694243803
Variance : 0.05502905211179825
Spatial Distribution Density Heatmap





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.