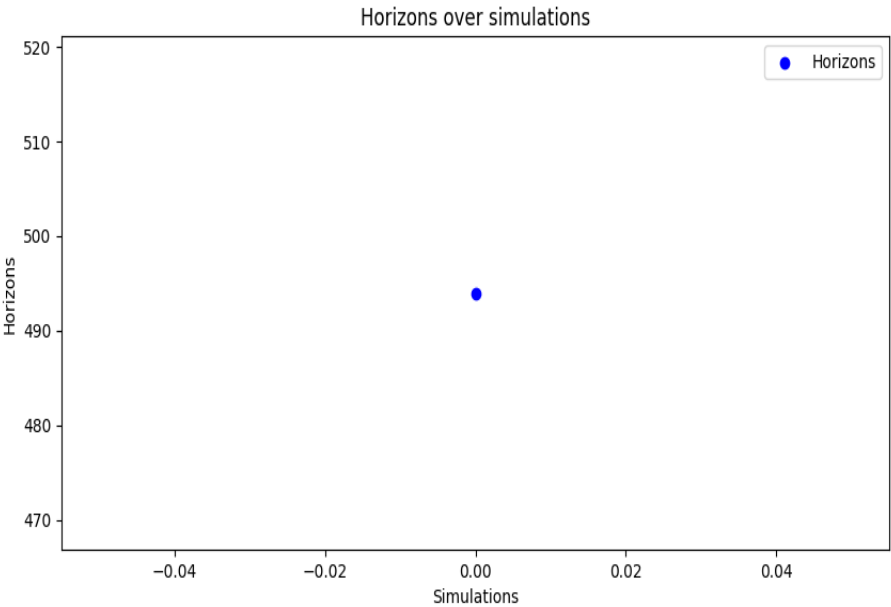


Test done 2025_05_07 at 15_55_49

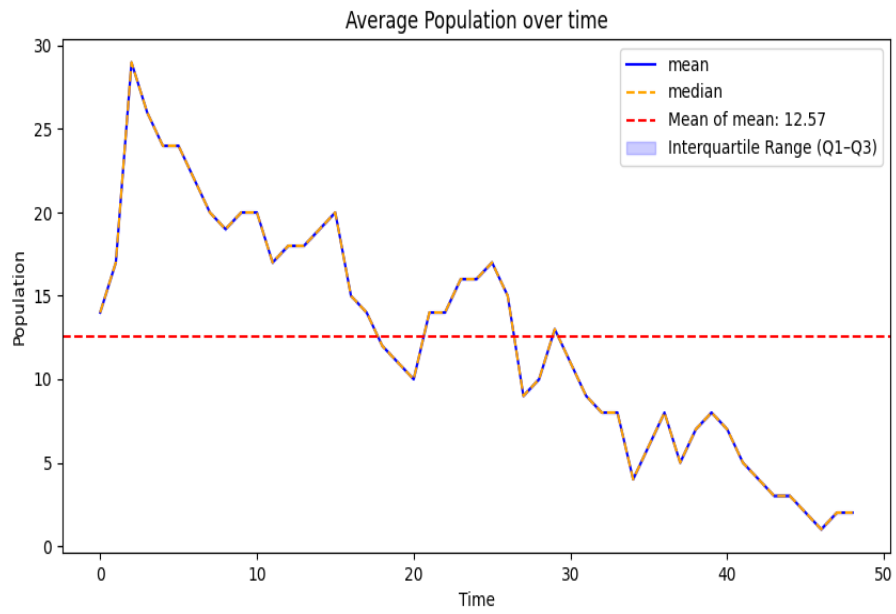
Number of simulation done : 1. The window time of the simulation is 10

Initial condition

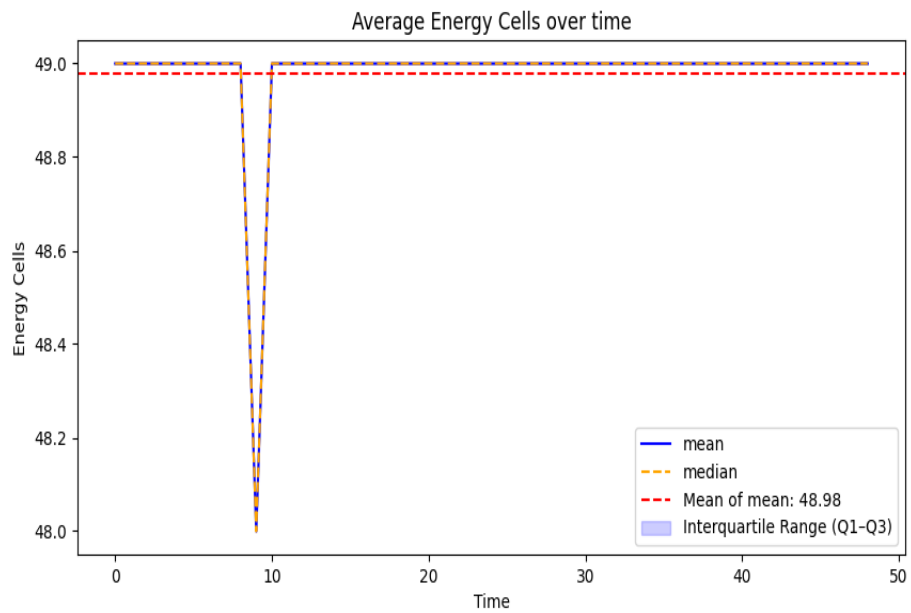
Size : 14
I_Energy : 100
I_Age : 100
I_Maturity : 18
I_Distr : Uniform
Radius : 4
Active : 49
C_Min : 10
C_Max : 120
C_Regen : 15
C_Distr : Uniform
Height : 100
Width : 100
P_Distr : Uniform
Move : 1
Eat : 1
Rest : 0
Reproduce : 5
N_Simulations : 1
Seed : 37
Energy Needed : 0.6
Extra Energy : 0.2
Energy Requeste : 0.5
Mutation Rate : 0.1



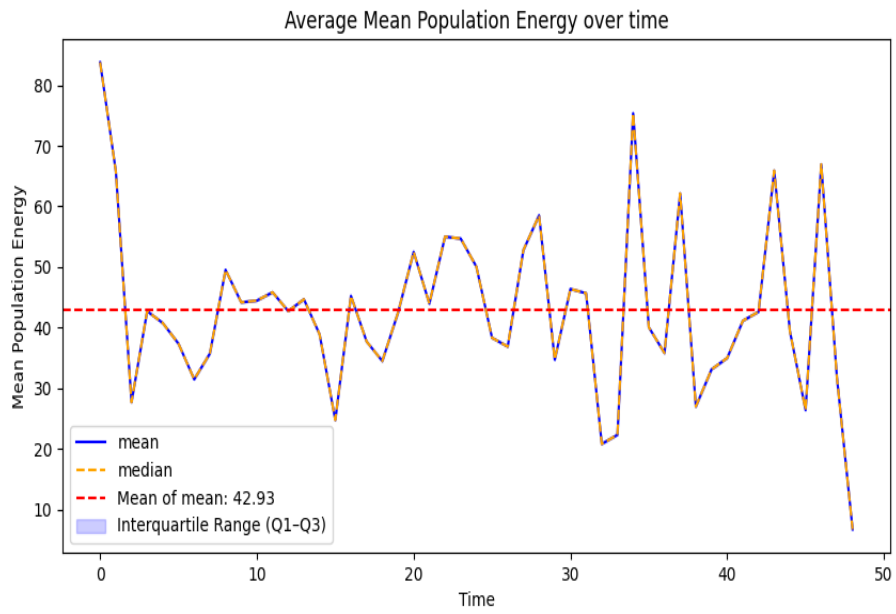
Mean : 494.0
Variance : 0.0



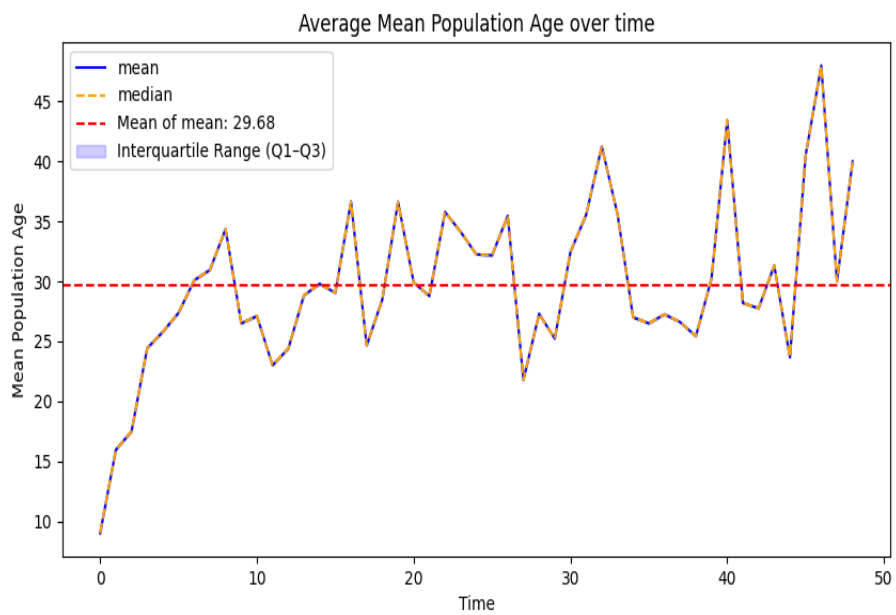
Mean : 12.571428571428571
Variance : 49.224489795918366



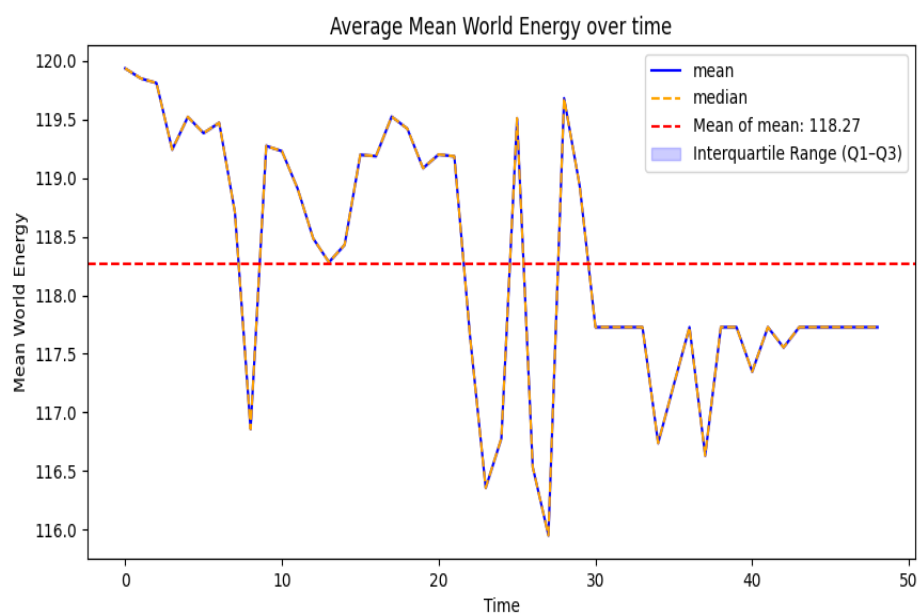
Mean : 48.97959183673469
Variance : 0.019991670137442737



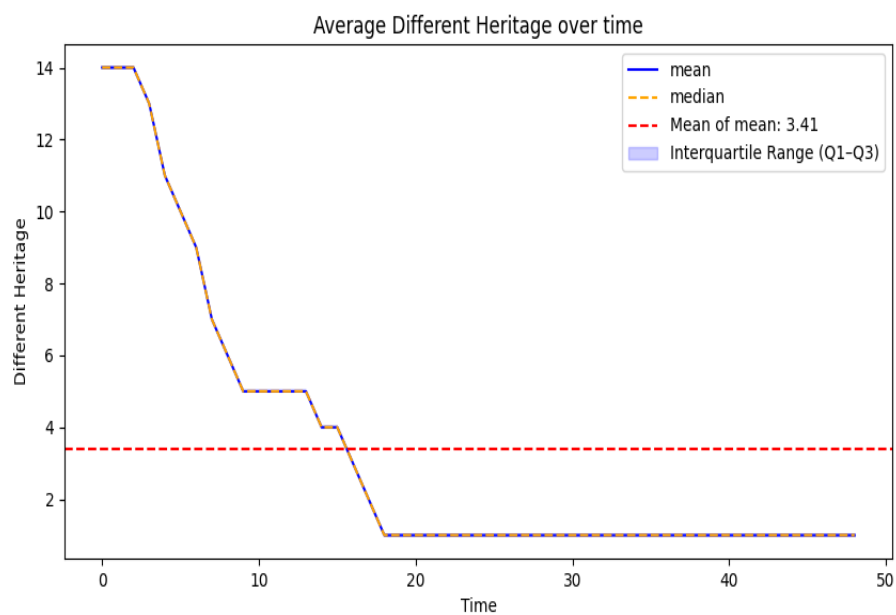
Mean : 42.929890294528505
Variance : 197.52090685094458



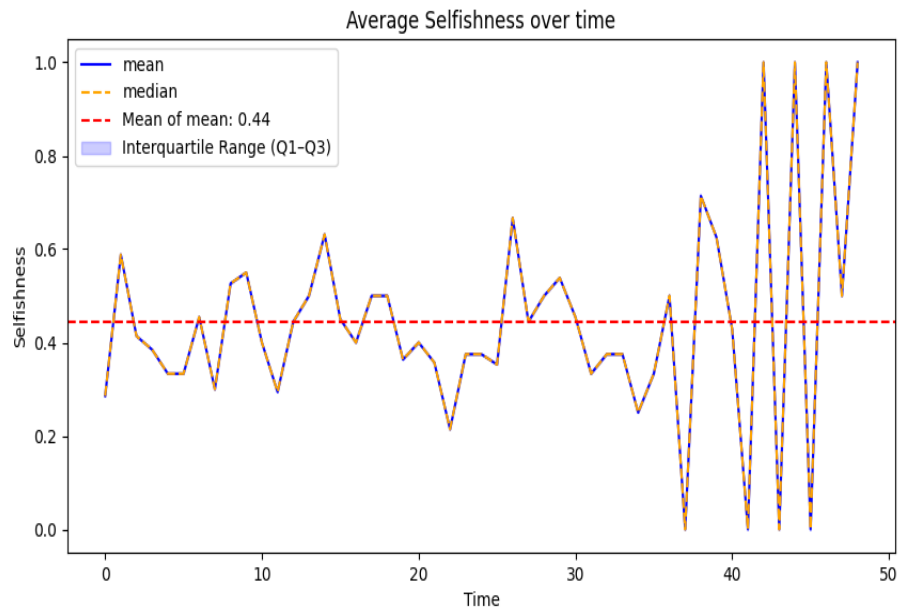
Mean : 29.675937732224565
Variance : 46.92371422091531



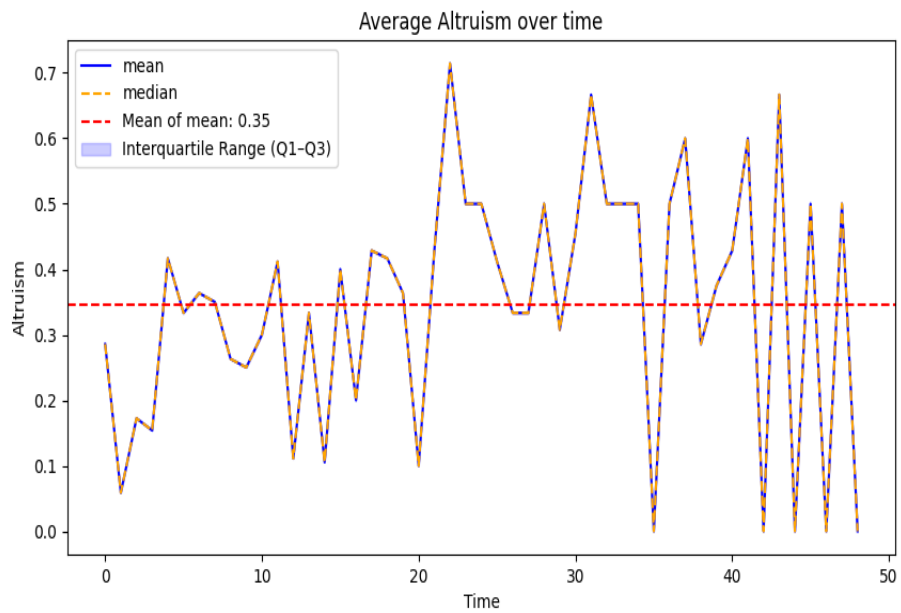
Mean : 118.27181229081499
Variance : 1.1156035482358586



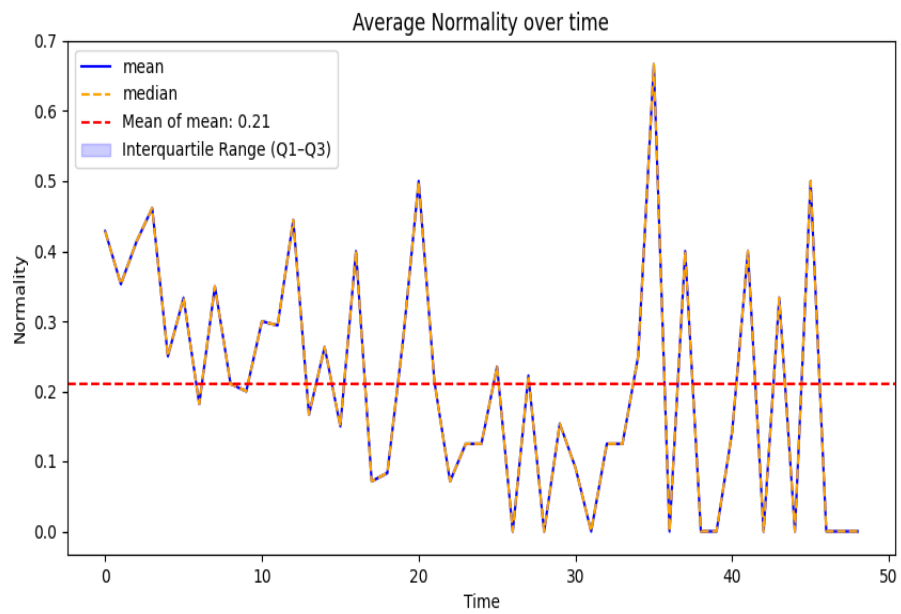
Mean : 3.4081632653061225
Variance : 15.833402748854647



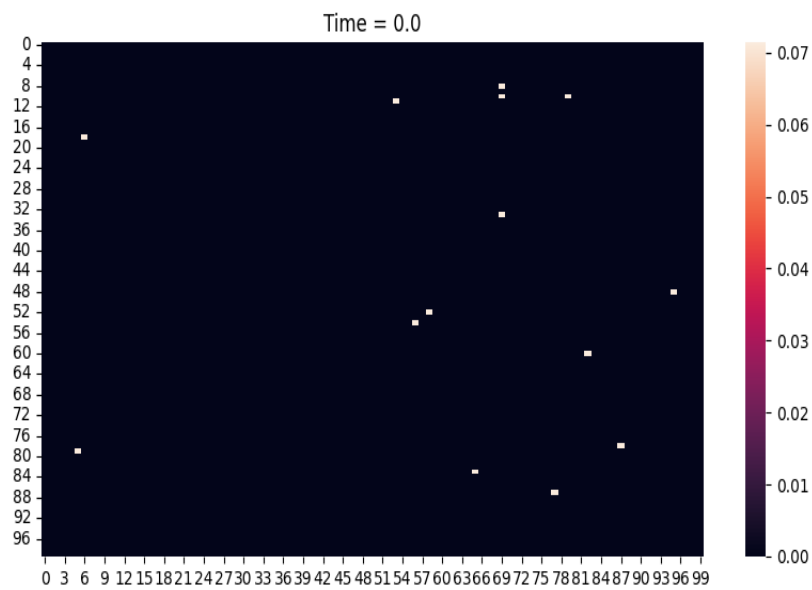
Mean : 0.44421785801286784
Variance : 0.051876576502778764

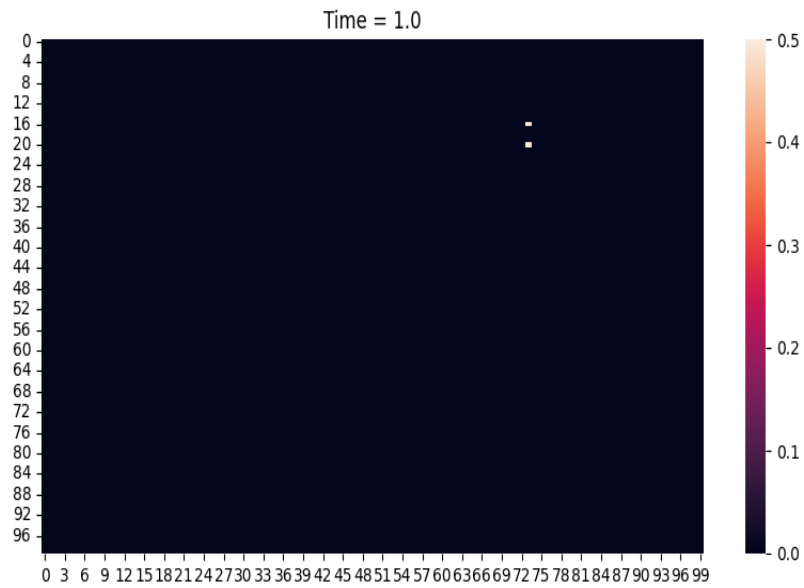
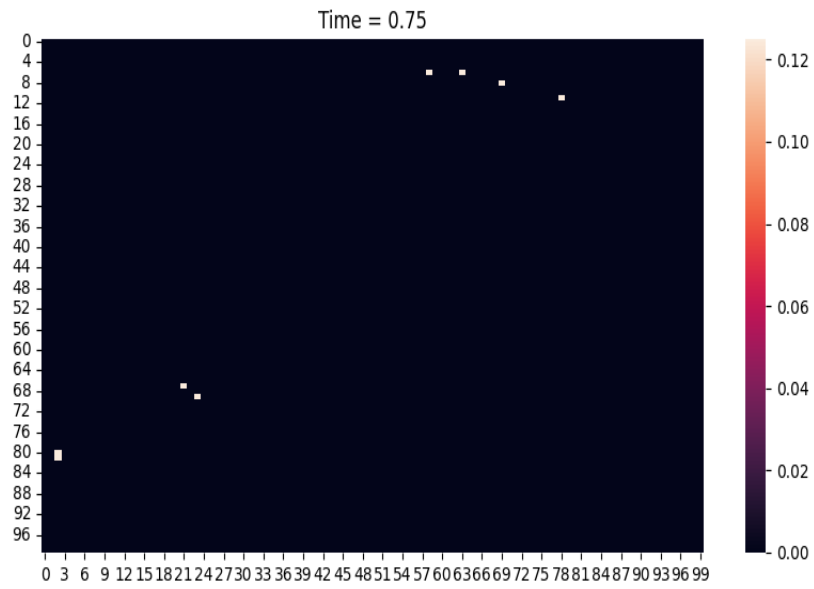


Mean : 0.34538947168995565
Variance : 0.03489086969421634



Mean : 0.21039267029717656
 Variance : 0.02827838441711303
 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.