AGENT-BASED MODEL OF HELPING USING NETLOGO

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ABSTRACT

There are a lot of factors that affect helping but age and gender play the biggest roles. This model analyzes the given variables and simulates helping in a campus setting and reports plots for the number of helpers according to gender, number of helped people according to gender and gender histograms helpers and helped people.
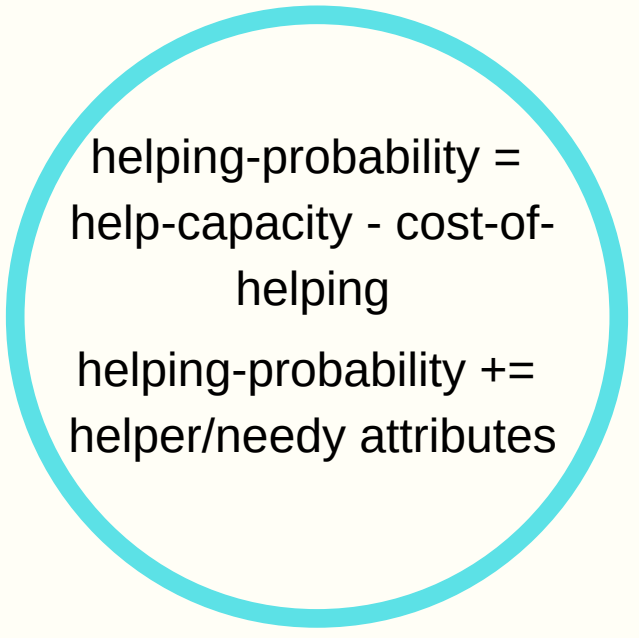
METHODOLOGY

Initialization of turtles and environment
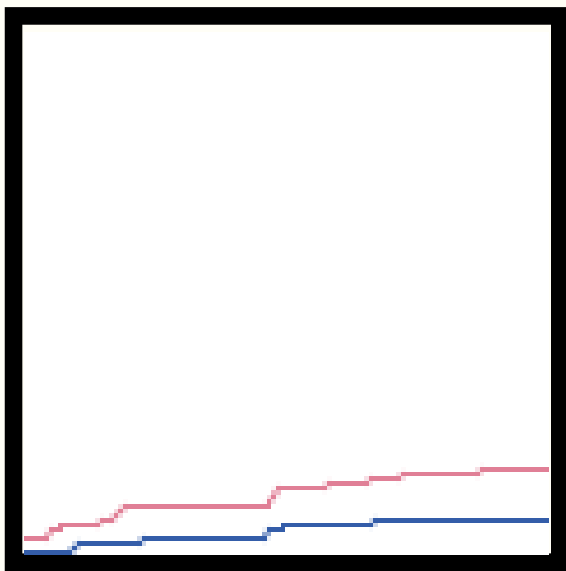

Setting up of breeds: Helpers and Needys

helping-probability = help-capacity - cost-of-helping

helping-probability += helper/needy attributes

Computation of helping probability
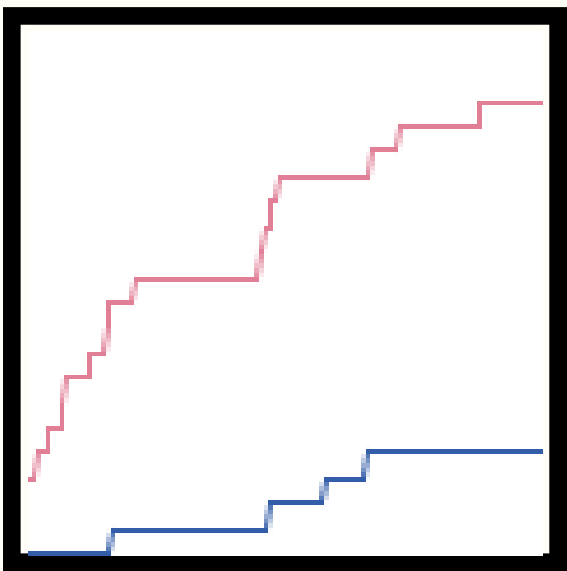

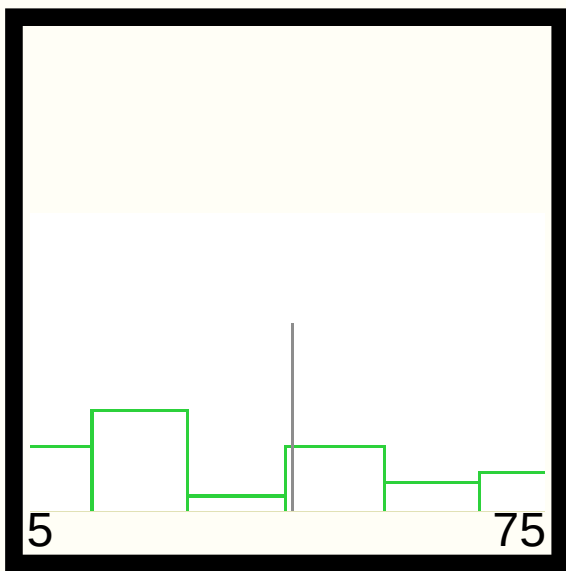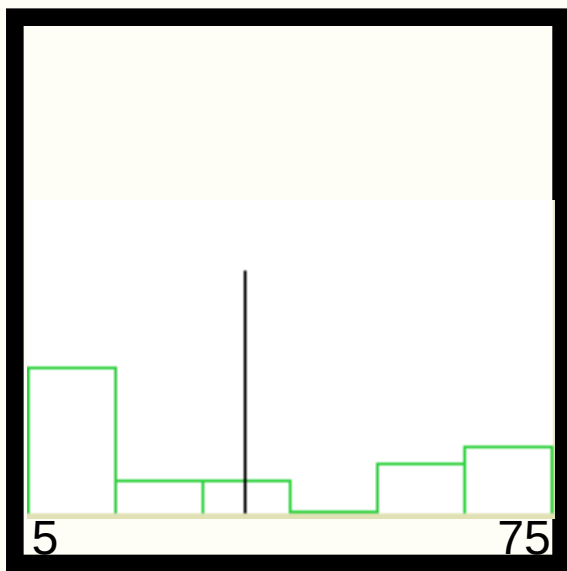Actual simulation of helping

CONCLUSION

Number of helpers according to gender

Number of helped needy according to gender

Age histogram of helpers

Age histogram of helped needy