**Assignment 1: Model replication and extension**

From the list of possible models (\*or propose a different model!\*), choose one model and replicate it, then choose to EITHER: a) create new type of agent, b) add additional parameter value (can petition to create different type of initialization)

For this assignment, you will be evaluated on BOTH the model AND your explanation of it. You will submit both a GitHub repo and a written component. The model must compile and run. This will be completed in groups of two students.

**Model**

Your model needs to have separate script files for the different model components (model, agents, server, run, and readme). Include appropriate commenting and structure for the model.

**Paper / Written Component**

In your written assignment, you’ll provide an overview of the model, discuss what you changed and why / how, and an additional reflective element about the coding and development process.

*Elements of the paper:*

Include an introductory paragraph that gives an overview of the model and what it does, then go into the ODD + D framework: purpose, entities, process overview,