

# MDS Research Project – Agent Based Model

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March 19, 2024

## 1 Topics

1. An agent-based model with social interactions for scalable probabilistic prediction of performance of a new product
2. Advances in the agent-based modeling of economic and social behavior

## 2 Useful Materials

- Agent Based Model on Science Direct It contains a lot of useful information about agent based model and academic thesis.
- Stochastic and Deterministic Modeling of Cell Migration – Handbook of Statistics

## 3 AMB library for Python

### 3.1 Mesa

### 3.2 AgentPy

GitHub link: <https://github.com/jofmi/agentpy>

Documentation: <https://agentpy.readthedocs.io/en/latest/>

### 3.3 Py