

From a theoretical oligopolistic model to a generative agent-based simulation

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Outline

The model
Introduction



Introduction

- A micro-based model of interacting agents, following plausible behavioral rules into a world where the Covid-19 epidemic is affecting the actions of everyone.
- The model works with:
 - i infected agents categorized as symptomatic or asymptomatic and
 - ii the places of contagion specified in a detailed way, thanks to agent-based modeling capabilities.
- The **infection transmission** is related to three factors: the infected person's characteristics and those of the susceptible one, plus those of the space in which a contact occurs.