

April 29, 2018

Abstract

1 Introduction

2 Previous Work

[1] [2] [3]

3 This work

3.1 Behaviours

What general behaviors arise in this system? How does the wealth of the agents change over time? At the aggregate level? At the individual level?

3.2 Diversity

How does the diversity of strategies influence the dynamics of the system?

3.3 Behaviours

Are there generally classes of agent behavior (say, based on what data they use, how they process it, or the agent's overall sophistication) that lead to better performance?

3.4 Violate Assumptions

What happens to the system if you violate one of the original assumptions of the problem and allow the agents to alter their strategies over time by observing the performance and strategic details of the other agents?

3.5 Mete-Agents

Suppose that meta-agents exist that can coordinate the behaviors of a subset of the agents (and split the resulting payoffs equally across the subset)—how does this impact the system's behavior?

3.6 Changes

How do the answers to the above questions change as:

- tau is altered?
- you change the total number of agents in the world?

4 future

5 References

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