

Performance and Evolution of Market Networks

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Proposal Description:

In this project we shall develop software to create a variety of networked configurations of simple markets, populated by simple artificial agents. The purpose of the project is to investigate the performance characteristics of various type of market networks and a variety of conditions. We shall also examine how market networks evolve over time under pre-specified rules.

Given the developmental nature of this software, we have chosen Python as the language for the project. The research assistant(s) must be proficient in Python coding and debugging. During the project, the performance data produced by a variety of market simulations will be analyzed using mostly Microsoft Excel software. Prior Excel or other data analysis skills would be helpful. The project involves approximately 10 hours of work each week.

Tobin Application Link: [Tobin Application](#)

Project Type: Tobin

Project Year: 2019

Term: Fall 2019

Source URL: <https://economics.yale.edu/undergraduate/tobin/fall-2019/performance-and-evolution-market-networks>