

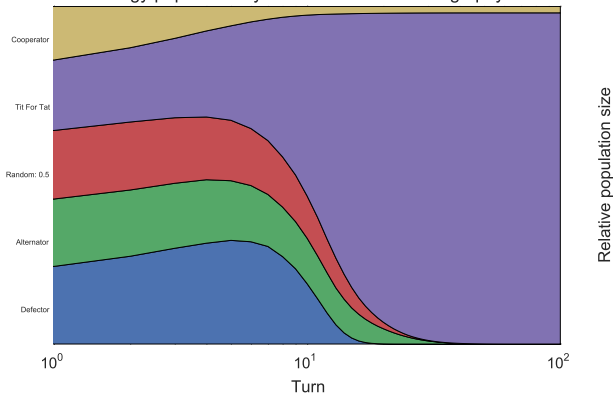
# Emergent Behaviour

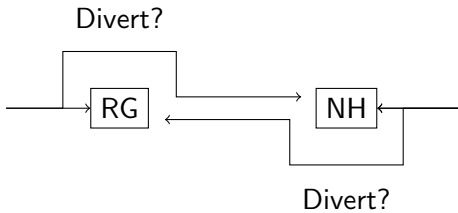
Vince Knight

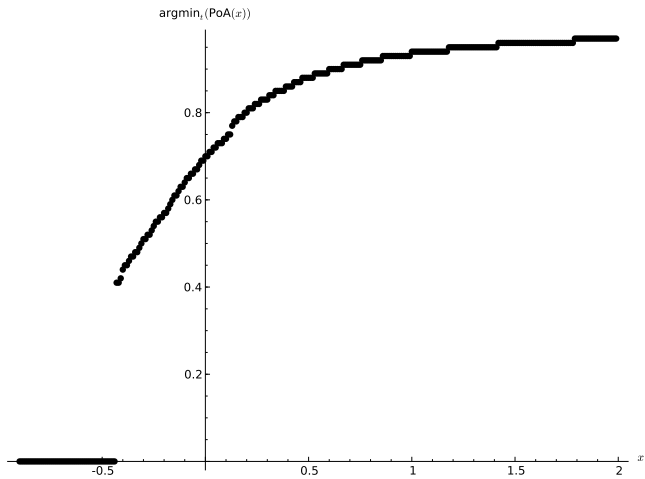
2015-11-11

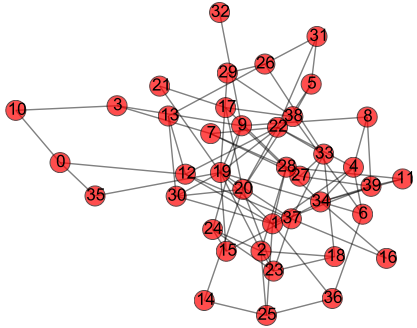
$$\begin{pmatrix} (3, 3) & (0, 5) \\ (5, 0) & (1, 1) \end{pmatrix}$$

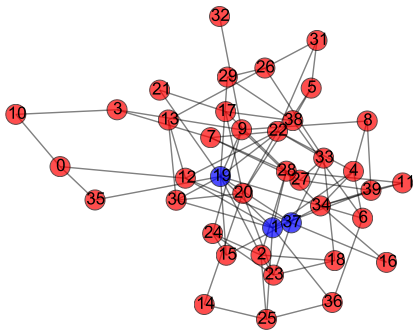
Strategy population dynamics based on average payoffs

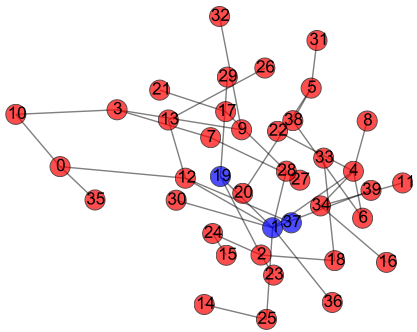








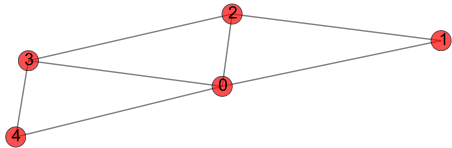


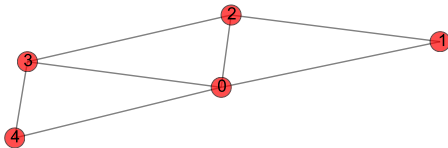




# Investigating Social Networks with Agent Based Simulation and Link Prediction Methods

Angelico Fetta





Pair	Adamic Adar	Preferential Attachment	Resource Allocation
(1, 3)	1.632	0.583	6
(1, 4)	1.721	0.250	8

# Python Tools

- ▶ Game Theoretic analysis: Gambit, Sagemath, Axelrod
- ▶ Network Analysis: Networkx