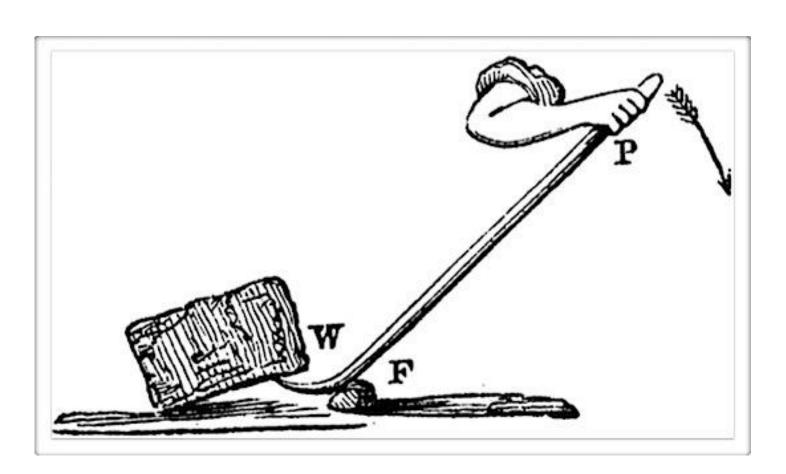


Agent-based Financial Economics Lesson 9: Leverage

Luzius Meisser, Prof. Thorsten Hens luzius@meissereconomics.com

"What I cannot create, I do not understand."

Today



- Discussion of leverage paper by Farmer et al.
- Diving into the code, discussing ideas for your agents

Leverage: single slide overview



Stefan Thurner



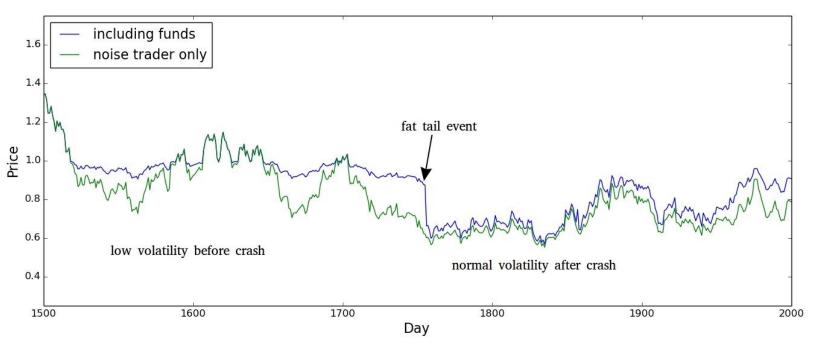
Doyne Farmer



John Geanakoplos

"The market can stay irrational longer than you can stay solvent." - Keynes

- Leverage can cause fat tail events through cascade of margin calls.
- Two active types of investors:
 - Noise traders
 - Leveraged, fundamentalist funds

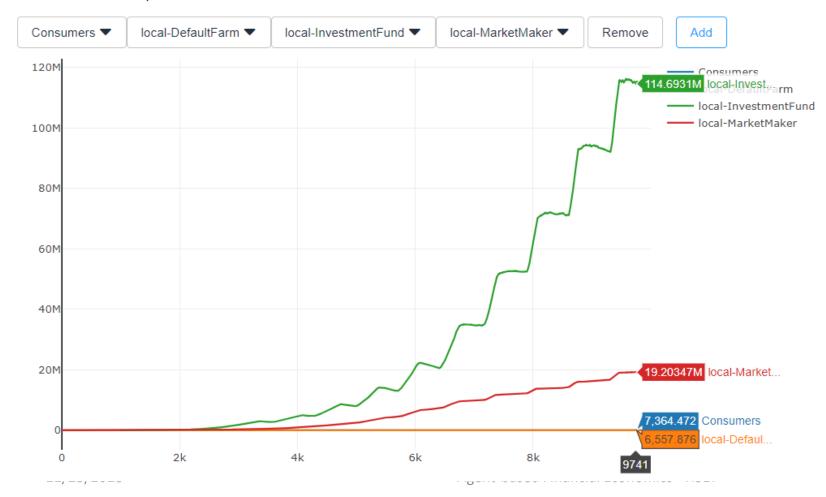


See separate presenation for further information.

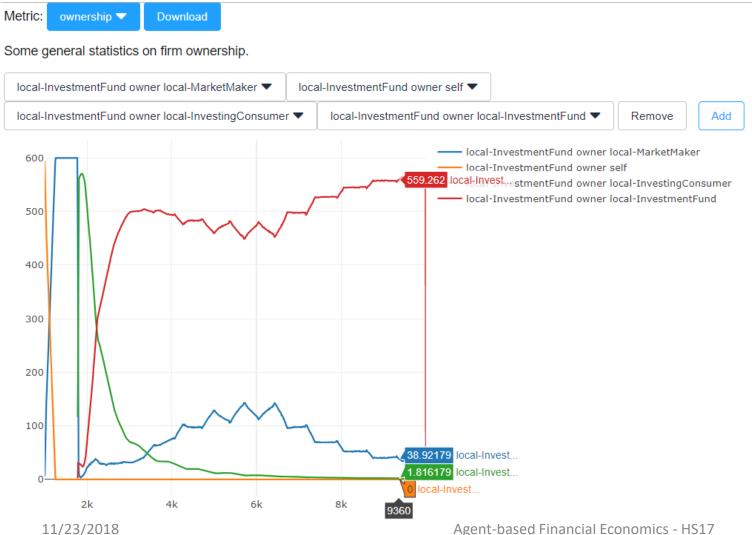
Simulation: inflated prices

Metric: wealth ▼ Download

Net worth at market prices. Related: cash statistics.



Simulation: inflated prices



Funds seem very successful but basically just own each other at inflated valuations...

Code dive...