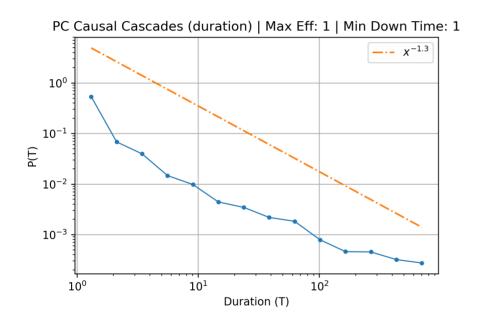
Nov 18 Price Change (PC) vs No Price Change Simulations (NPC)

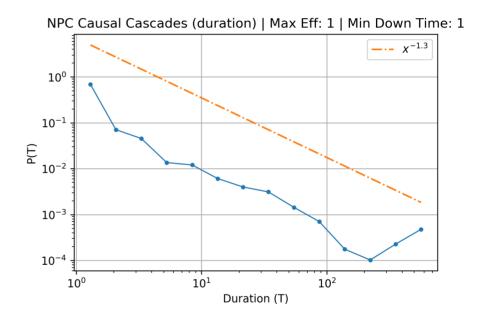
Braedyn Au

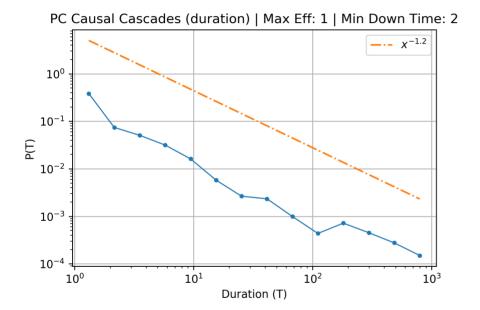
- All simulated with 1000 traders, 100 stocks, for 1000 time steps using the same algorithms
- Price Change (PC): change in Hurst index of stock proportional to number of stocks moved
- No price change (NPC): constant Hurst index
- Causal Cascades: algorithm that traces trading activity from one portfolio to another based on trading overlapping stocks
- Stock Cascades: temporally seperated cascades of an individual stock, with all stock cascades compiled in these distributions

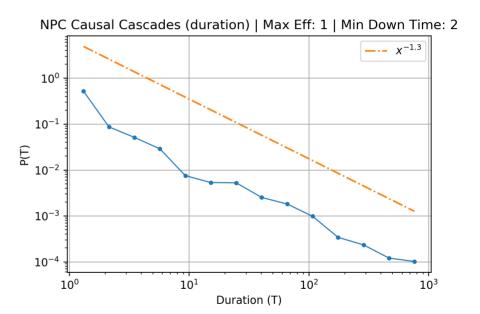
- Maximum time effect (Max Eff): maximum time a single trading event can impact other trades to be considered part of the same cascade
- Minimum down time: minimum amount of queissence time for a cascade to end

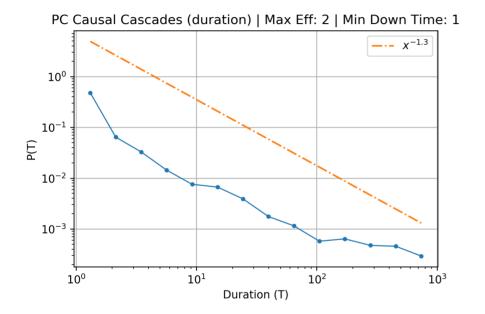
Causal Cascades

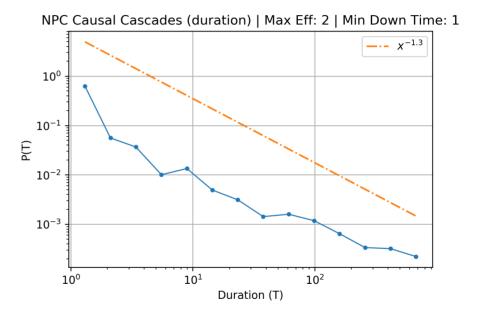


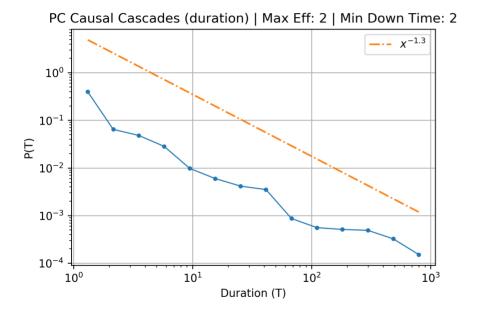


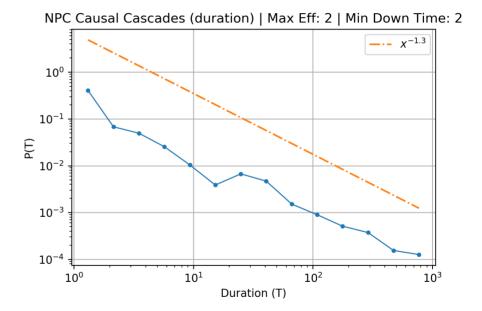


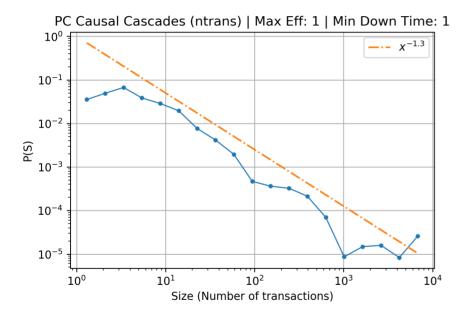


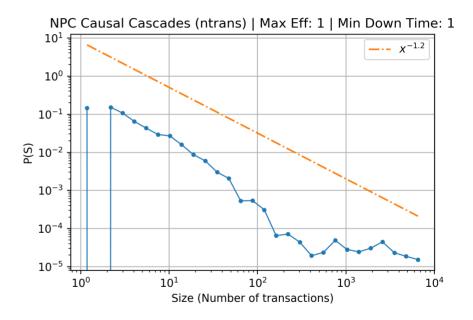


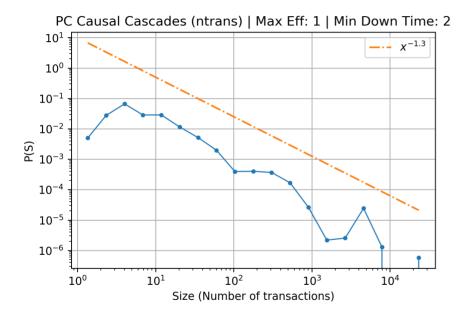


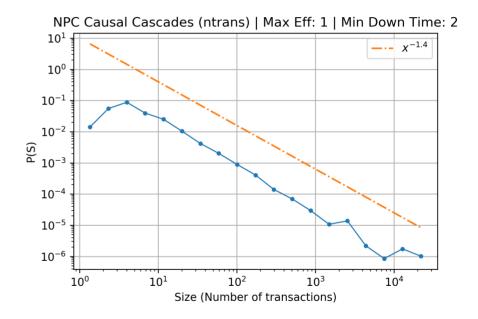


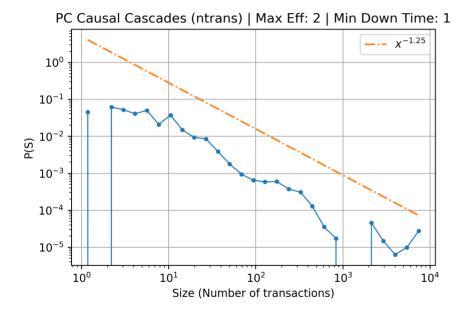


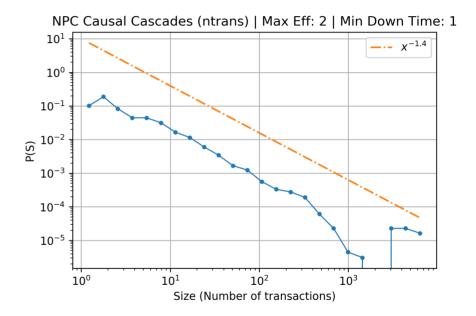


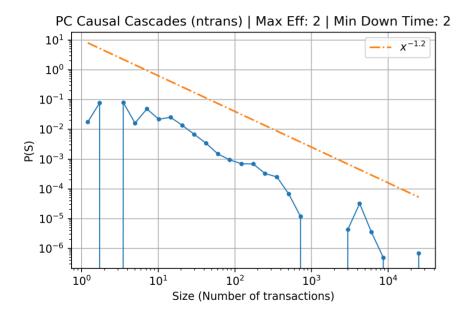


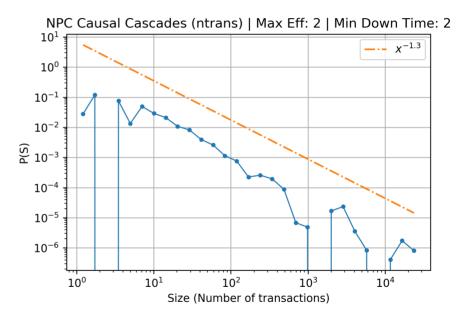


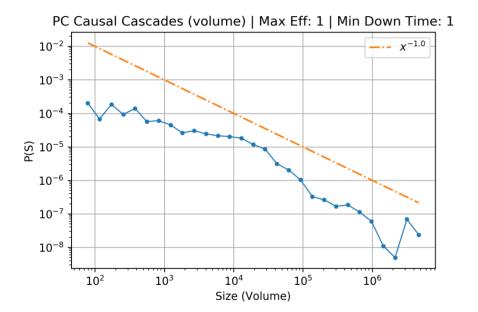


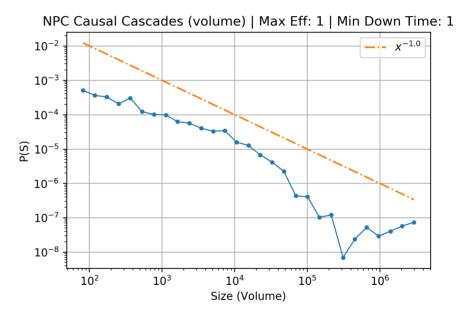


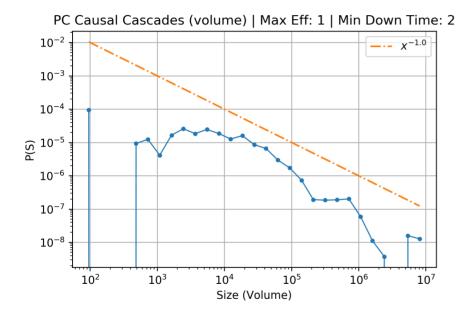


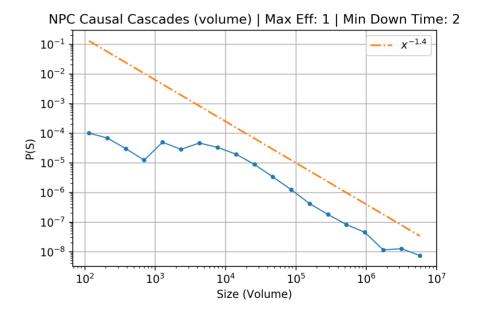


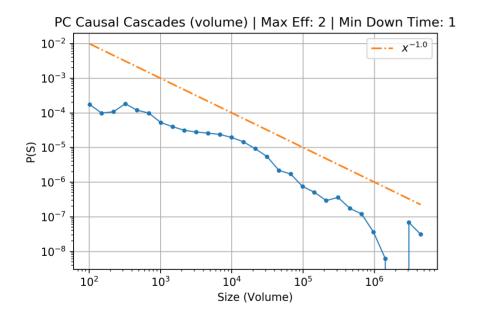


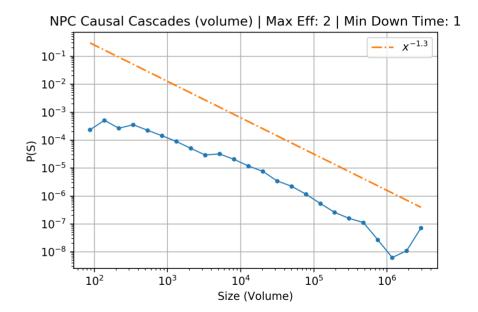


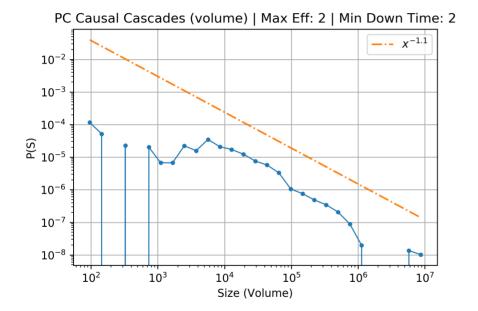


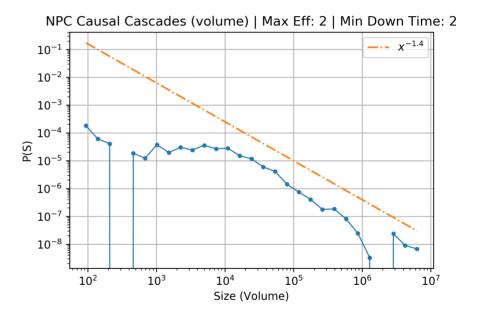












Stock Cascades

