Average Cascade Size by Company

Company	Cascade Size (avg)
HON	45.2565
MMM	45.1125
WFC	44.803
UTX	44.6096
FLR	44.2734
USB	44.2639
AXP	44.2458
GE	44.2409
DD	44.1501
IFF	44.1437
GD	43.6184
DIS	43.491
AIG	43.444
COL	43.3449
ROK	43.3017
JPM	43.1786
SLB	43.0535
DOW	42.8011
AIT	42.7636
JNJ	42.7598
IP	42.6484
FDX	42.4093
NSC	42.2844
BC	42.1777
BA	42.1496

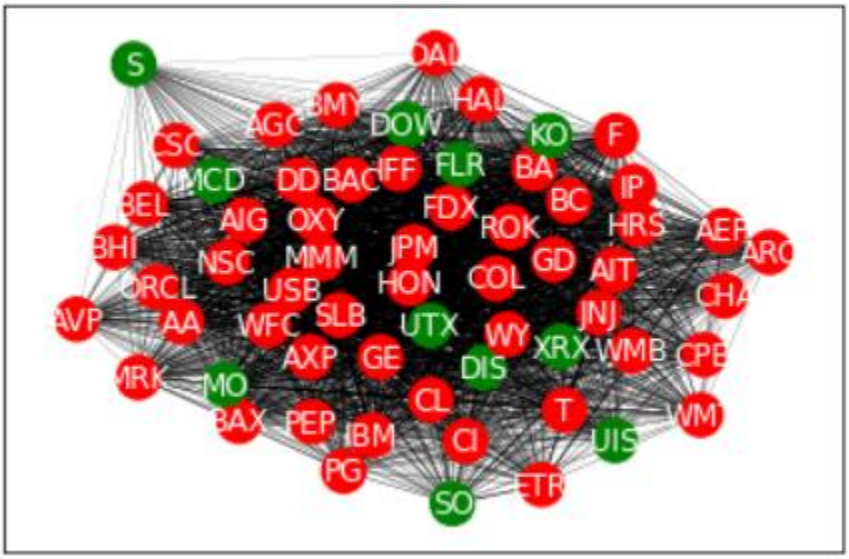
OXY	42.1083
BAC	42.0322
WY	41.9759
HRS	41.9117
CL	41.7887
AA	41.6487
XRX	41.5361
ORCL	41.184
HAL	41.0465
F	40.8933
AGC	40.5939
MO	40.1304
PEP	40.0098
BAX	39.9948
KO	39.9908
BEL	39.9207
WMB	39.645
T	39.5467
BHI	39.4563
CSC	39.2258
MCD	39.1536
CPB	39.0603
IBM	38.9561
BMY	38.8815
CI	38.3754
PG	38.2151
MRK	37.7505

CHA	37.1433
AEP	37.0636
DAL	36.011
ARC	35.939
AVP	35.5076
UIS	35.331
ETR	35.0518
WMT	34.9678
SO	34.924
S	27.789

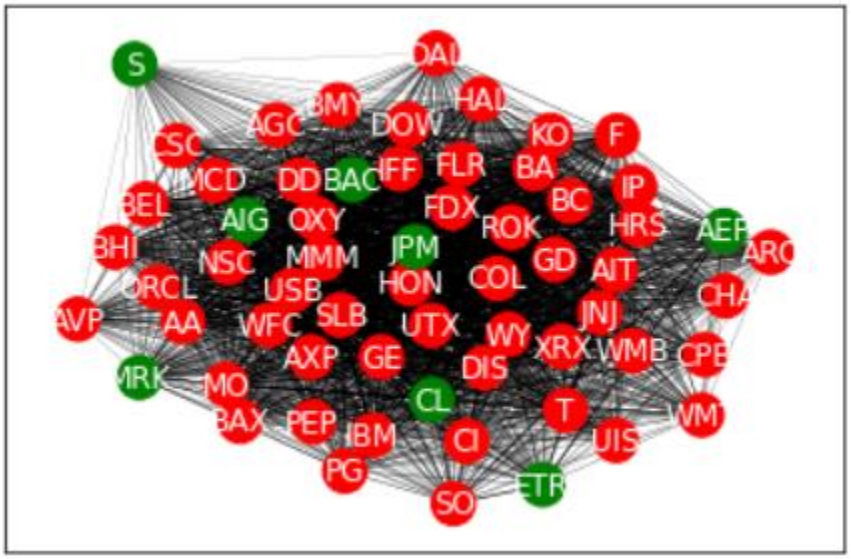
Infection graphs from the most viral starting node (HON)

In the 4 graphs below, we see that HON consistently infects its neighbors, and its neighbors are also consistently infecting other nodes.

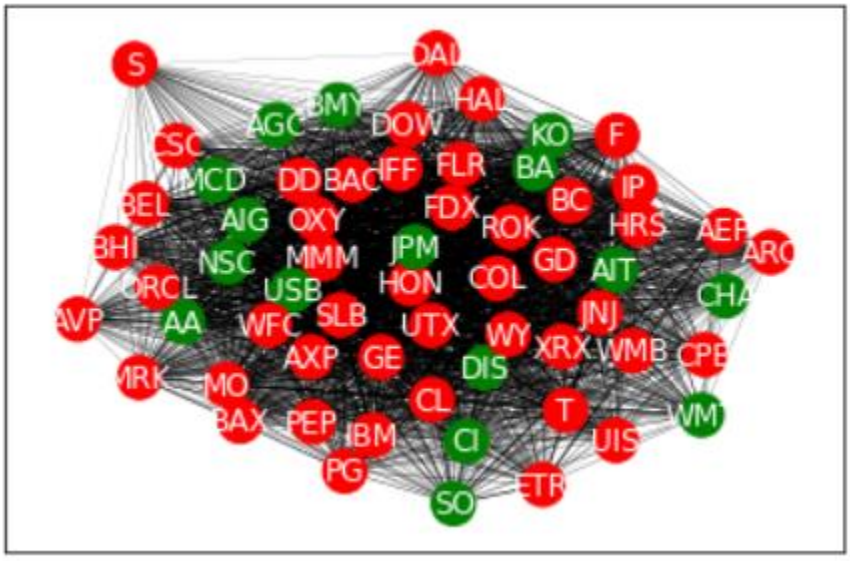
Seed = 1: This graph has 51 infected nodes.



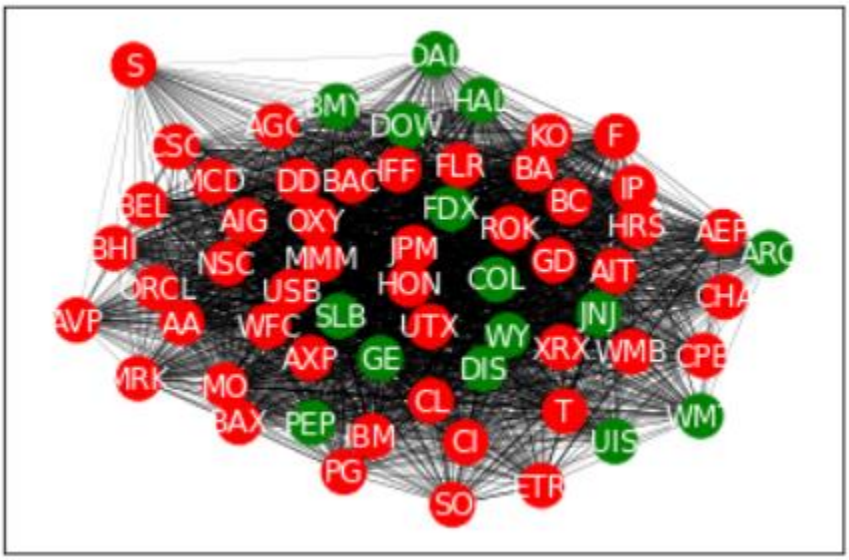
Seed = 2: : This graph has 54 infected nodes.



Seed = 3: This graph has 46 infected nodes.

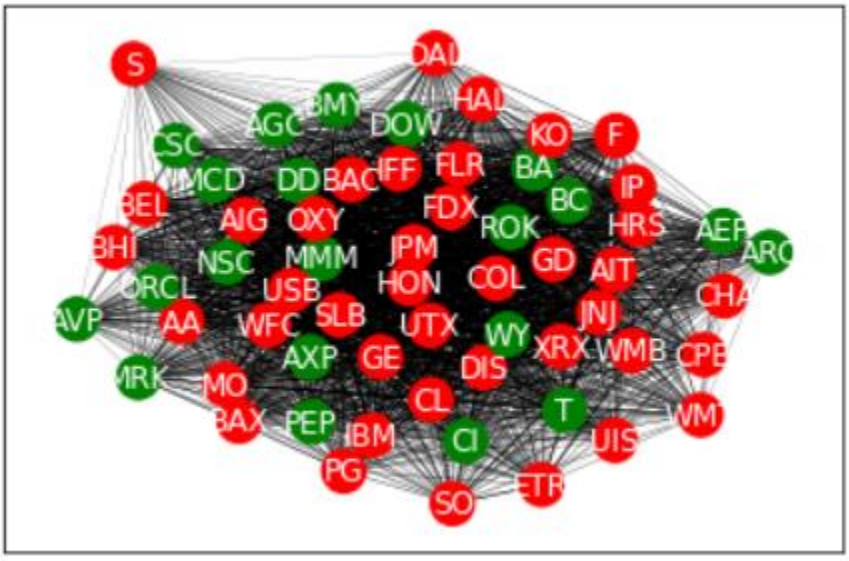


Seed = 4: This graph has 47 infected nodes.

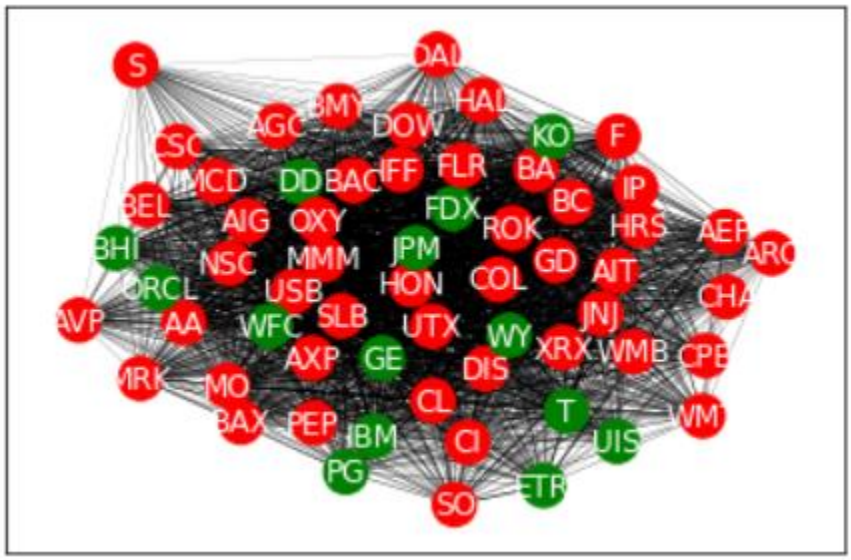


Infection graphs from the least viral starting node (S)

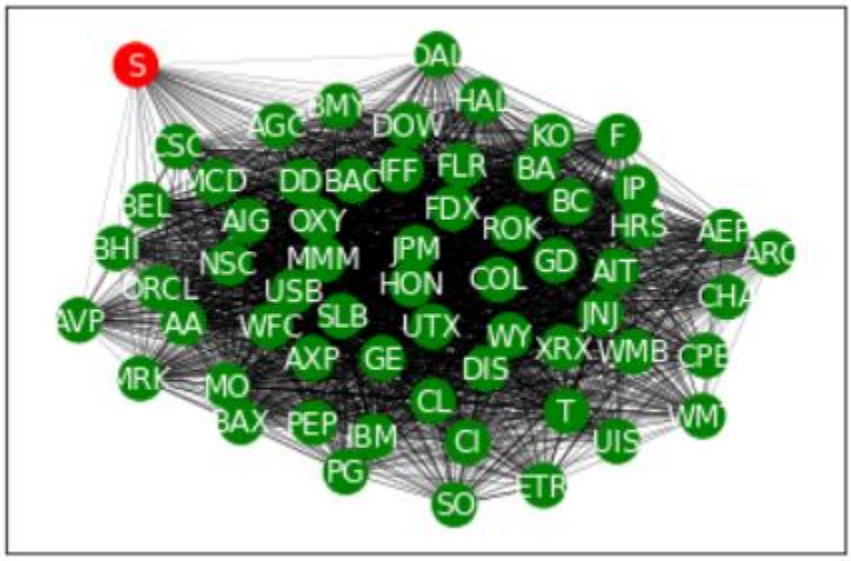
Seed = 11: This graph has 41 infected nodes. We can see that only a few neighbors of S were infected. With fewer neighbors infected, there were fewer infected nodes overall.



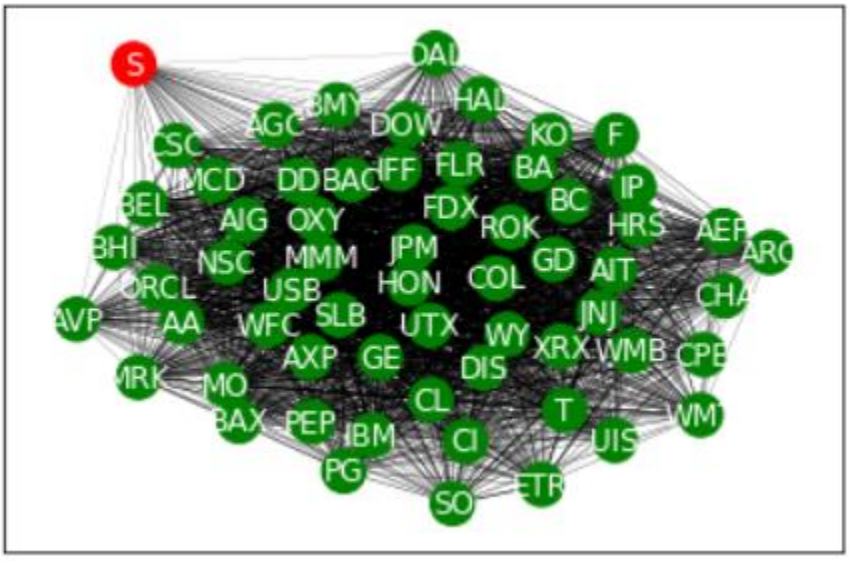
Seed = 12: This graph has 48 infected nodes. We can see that quite a few neighbors of S were infected, hence the increase from seed = 11.



Seed = 13: This graph shows that the starting node, S, failed to infect any of its neighbors, so there is only 1 infected node in the graph.



Seed = 14: Same as above



We can see that from these 4 graphs that sometimes S fails to infect its neighbors. Thus, the average cascade side is skewed left for when none of S's neighbors are infected.