Average Spread Metrics for Fake vs Real News Over Time Malicious Community Experiment Average Total Interactions Over Time - Malicious Community Average Views Over Time - Malicious Community Average Total Interactions (normalized) Average Views (normalized) Fake news - Regular user Fake news - Malicious user Real news - Regular user Real news - Malicious user Fake news - Regular user Fake news - Malicious user Real news - Regular user Real news - Malicious user 10 10 15 20 25 30 35 Time Step Time Step Average Likes Over Time - Malicious Community Average Comments Over Time - Malicious Community (pezilor) 17.5 - 15.0 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 - 12.5 -Fake news - Regular user Fake news - Regular user Fake news - Malicious user --- Fake news - Malicious user Average Likes (normalized) Real news - Regular user Real news - Regular user Real news - Malicious user --- Real news - Malicious user Comments 7.5 -5.0 Average 15 20 25 35 10 15 20 10 30 35 Time Step Time Step Average Shares Over Time - Malicious Community Average Flags Over Time - Malicious Community Fake news - Regular user --- Fake news - Malicious user Shares (normalized) 0.04 Flags (normalized) --- Real news - Regular user --- Real news - Malicious user 0.02 Fake news - Regular user Fake news - Malicious user Real news - Regular user Real news - Malicious user Average – 20.02 – 20.04 – Average

Time Step

20

Time Step