

## Diffusion Over Dynamic Networks

Social network and graph theorists are well versed in tracing potential diffusion over static graphs. But how does reachability, and thus diffusion, change when the graph is dynamic? Here, I first demonstrate how edge timing changes the potential reachability paths in a network, which ultimately affects both the distance, order and symmetry of diffusion in the network. I then introduce a set of new dynamic-based centrality measures and expand on options for effectively visualizing such networks.