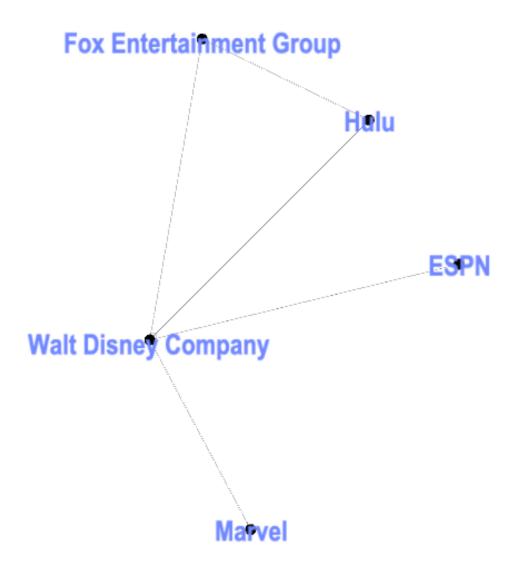
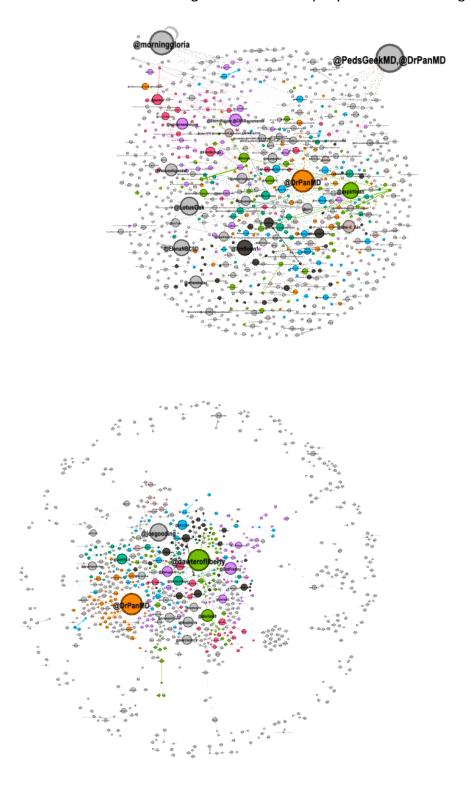
1. In this exercise a Node refers to the to and from twitter handles, the edge refers to the connection between them.



This has 5 nodes and 6 edges describing the ownerships of the Walt Disney Company.

2. I chose the Fruchterman Reingold and NoOverlap layouts for the In-Degree network:



I utilized Yifan Hu and Noverlap for the Out-degree network.

3. Network Diameter refers to the longest path within a cluster of shortest paths within the network. Graph Density refers to the ratio of edge numbers divided by all possible

edges between all node pairings. Modularity delegates a network into modules to determine the strength of division. The higher the modularity, the denser the connections between nodes within modules.

- a. The values in this project are:
 - i. Average Degree is 1.028, Network Diameter is 5, Graph Density is .001 and Modularity is 0.842
- b. This is an example of a random network. Each node can form an edge and each node has around the same number of connections.