

Problem Set

1. Create a network object in R and generate a plot of the network. Do you think this network has any distinguishing features based on the plot?
2. Color vertices based on their trust values. Do you see any patterns.
3. Measure the different variants of centrality scores in the network. In what ways are they related to each other?
4. Do you notice any patterns in terms of trust values and centrality?
5. Repeat 4 and 5 for the clustering coefficient.
6. Measure the clusters in the network using both block modeling and community detection. Do you think one method presents more intuitive or accurate results?
7. Do you find any patterns in terms of clustering around trust?
8. Bonus: Test one of your hypotheses using a conditional uniform graph test.