

Gephi Homework

Mehrdad Mohammadian

Dataset: <https://www.kaggle.com/pappukrjha/google-web-graph>

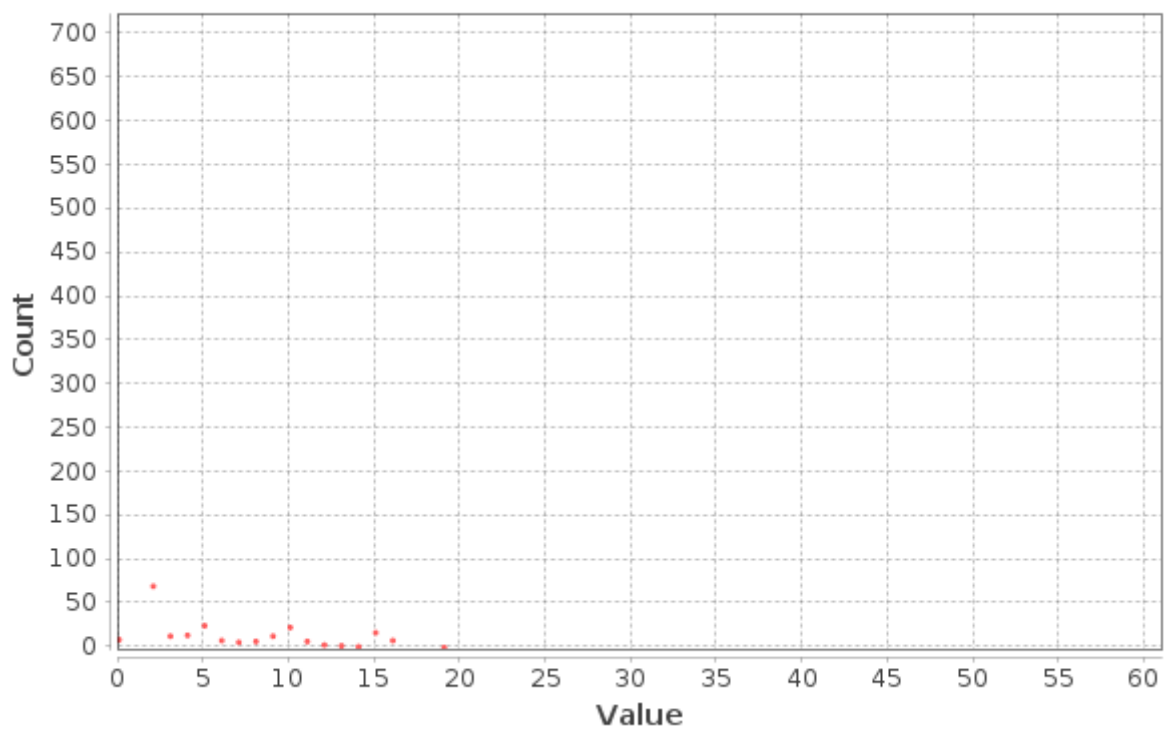
Nodes: 1000

Edges: 2300

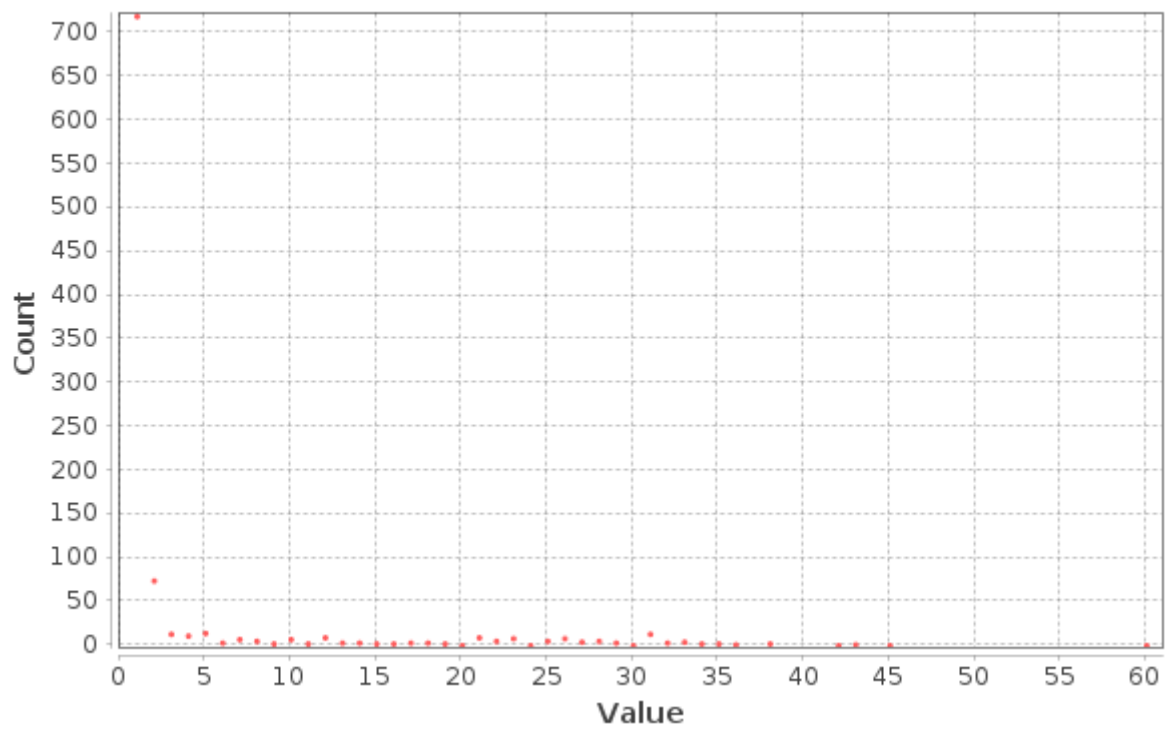
Degree Centrality

Average Degree: 2.300

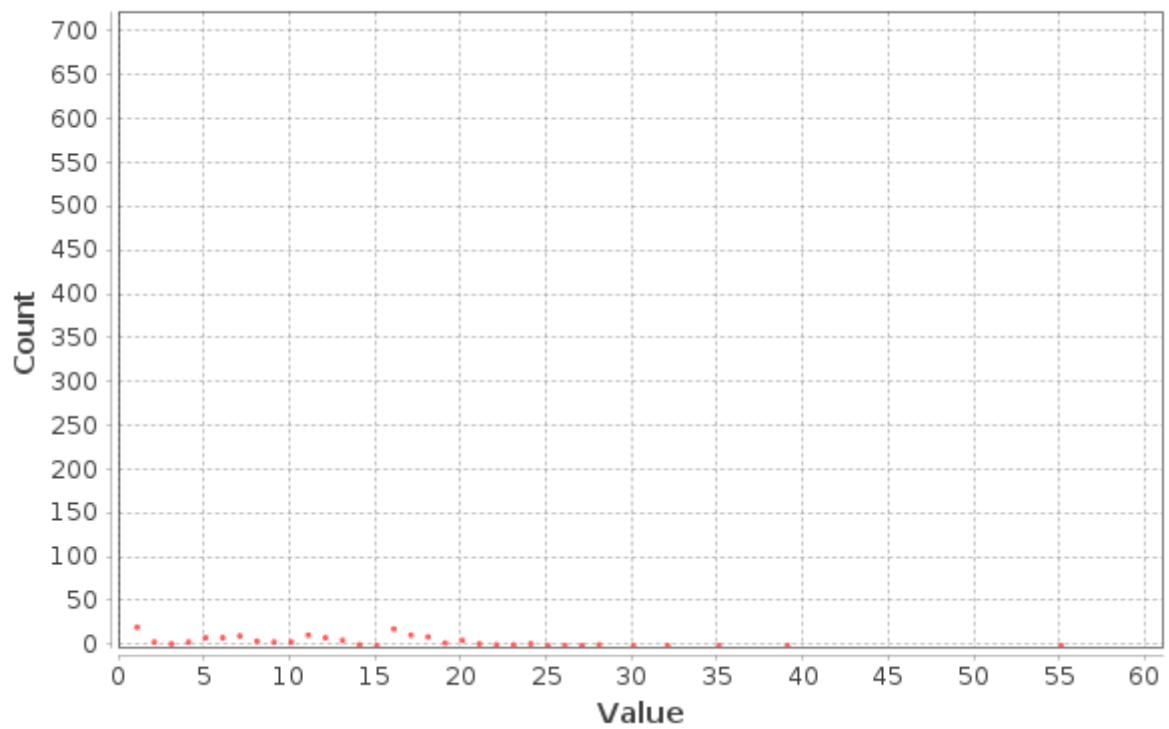
In-Degree Distribution



Degree Distribution



Out-Degree Distribution



Modularity

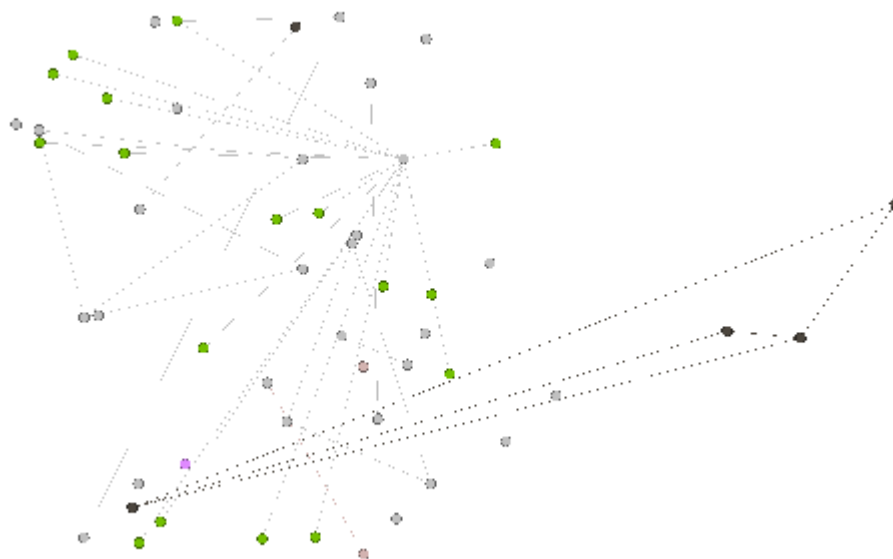
Modularity: 0.915

Modularity with resolution: 0.915

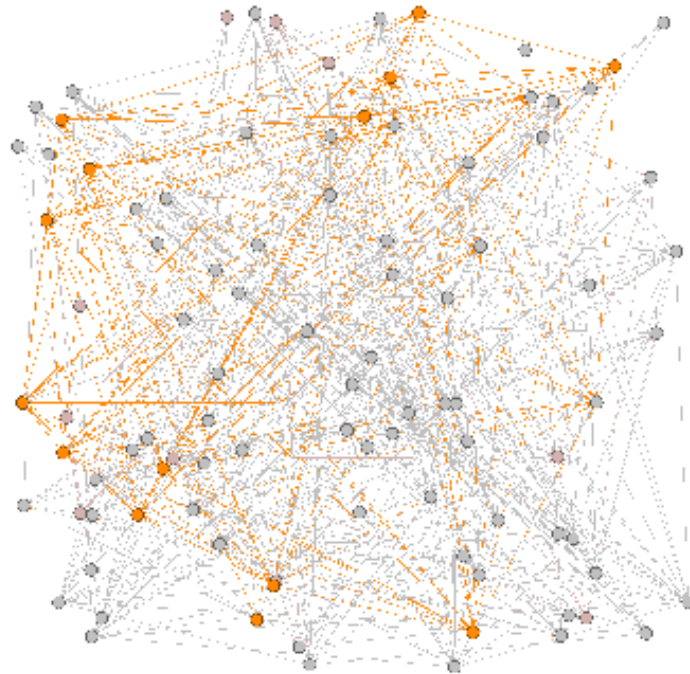
Number of Communities: 21



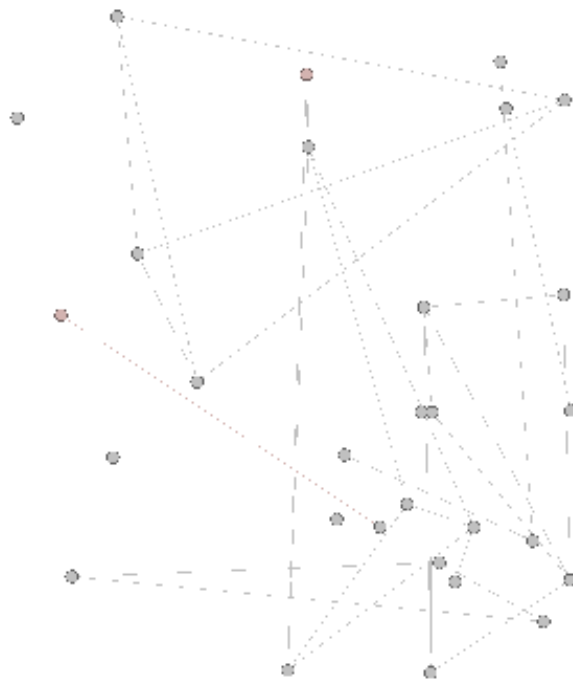
Closeness Centrality



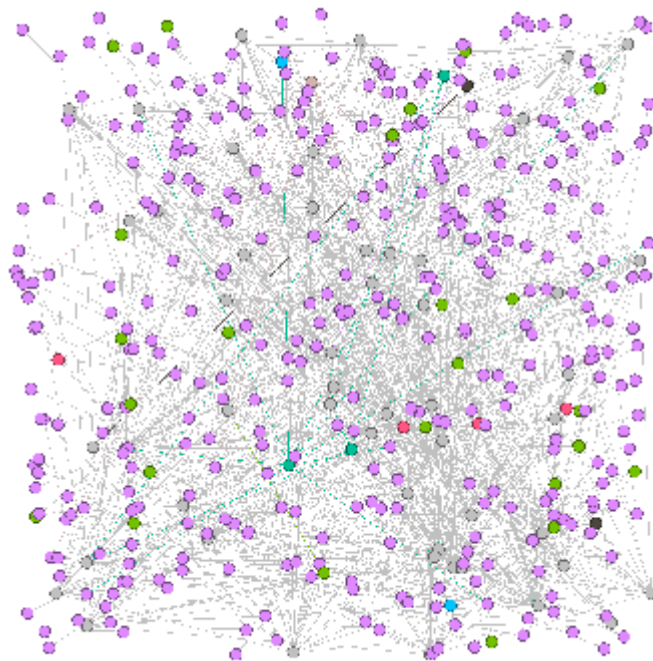
Degree Centrality, threshold = 20



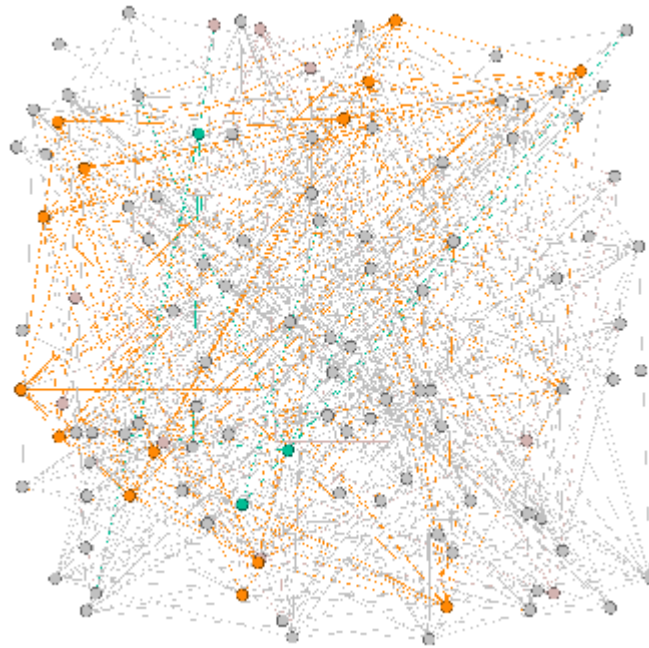
Between Centrality, threshold = 100



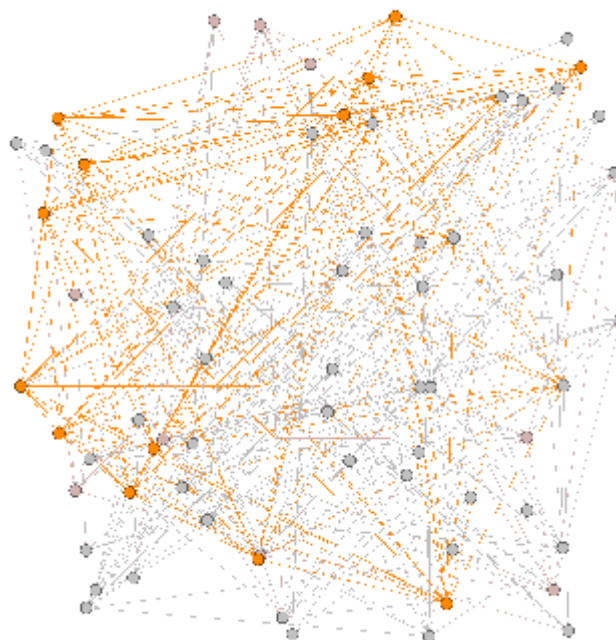
Strong Connected, threshold = 460



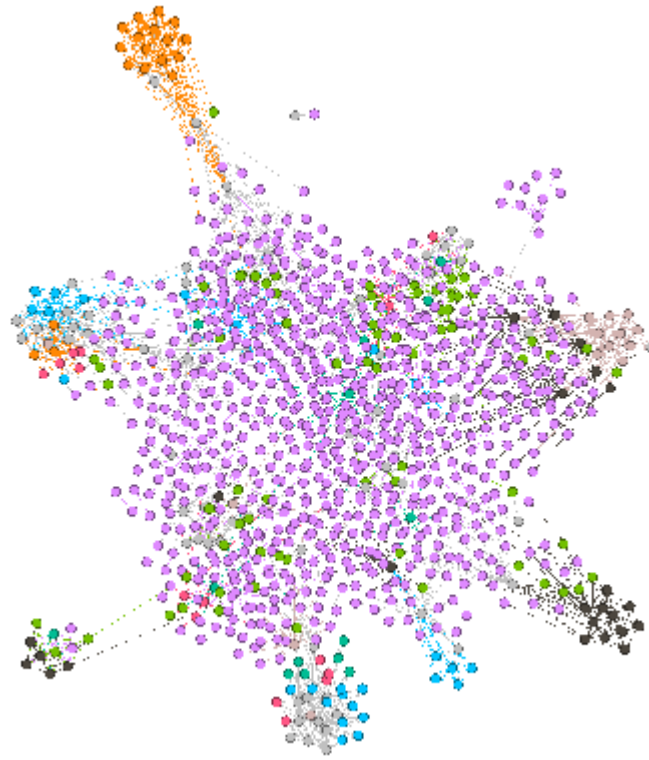
Out-Degree Centrality, threshold = 10



In-Degree Centrality, threshold = 10



Force Atlas Partition Show



The End