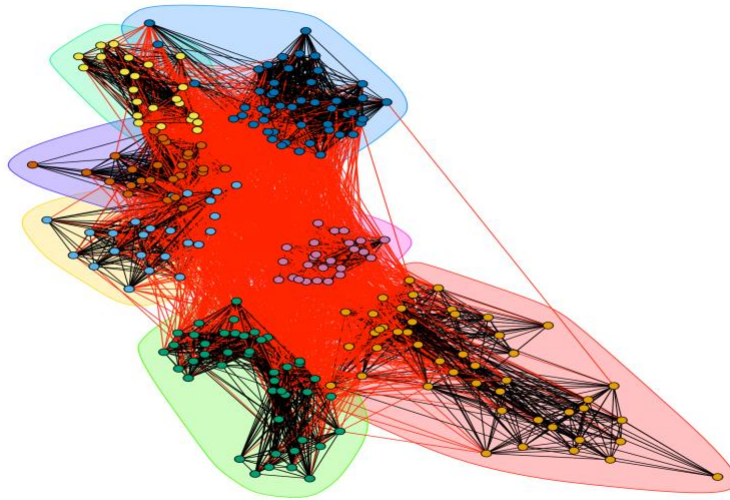


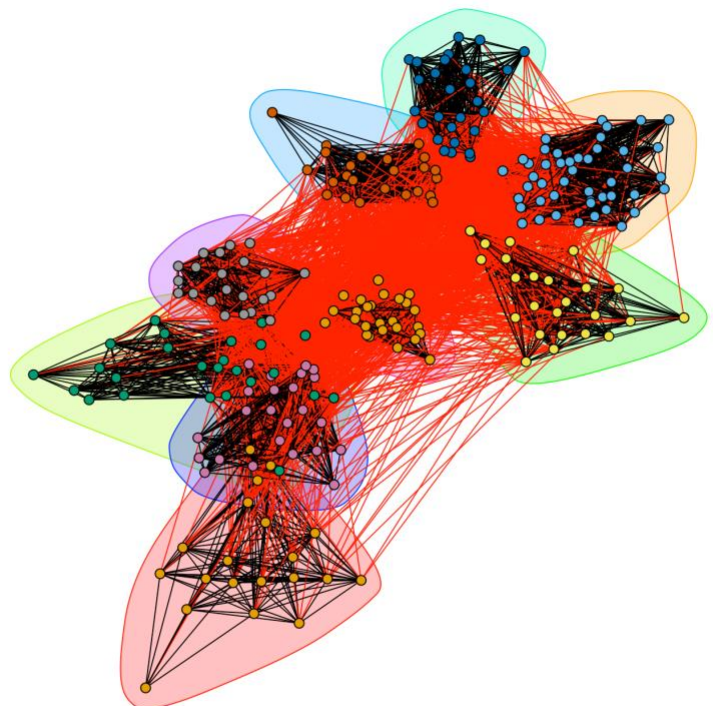
FAST GREEDY ALGORITHM:

Fast Greedy Algorithm



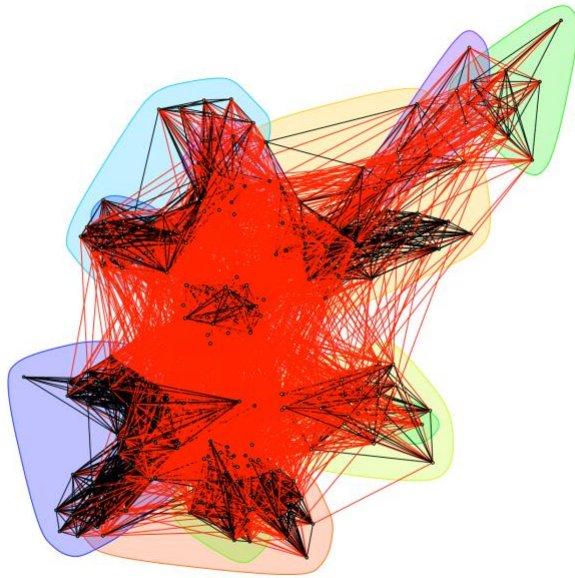
WALKTRAP ALGORITHM

Walktrap Algorithm



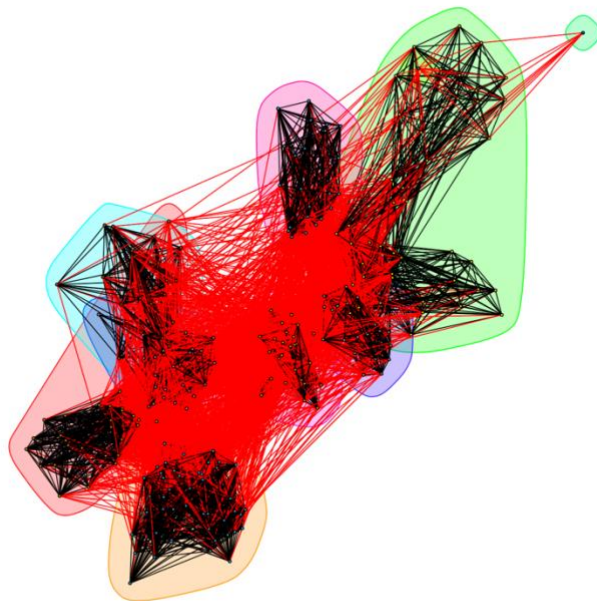
## LABEL PROPAGATION ALGORITHM:

Label-Propagation Algorithm

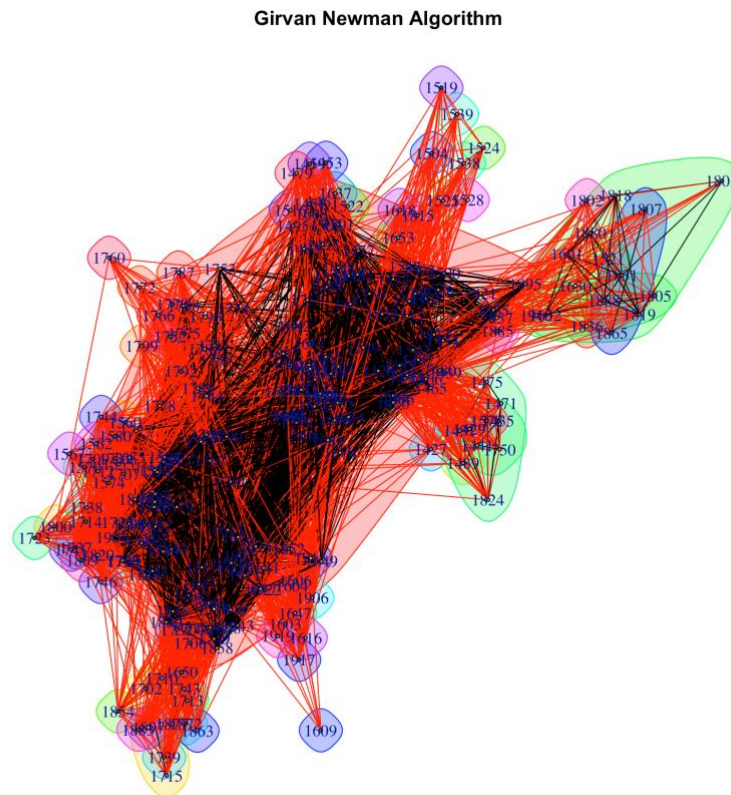


## SPRINGGLASS ALGORITHM

Springglass Algorithm



## GIRVAN NEWMAN ALGORITHM:



## ADVANTAGES / DISADVANTAGES OF GIRVAN NEWMAN:

### Advantage:

1. Easy to implement
2. GN algorithm is sensitive and accurate method for extracting community structure from both real and artificial networks
3. GN algorithm detects the known community structure with high degree of success.

### Disadvantage:

1. Limits the network with only thousands of nodes
2. GN algorithm is not very time efficient with networks containing large number of nodes and data. i.e. it is not favorable for very larger number of datasets.