Dynamic Clustering for Social Network Based on Evolutionary Computation

Since social networks are dynamic in nature, dynamic network clustering is explored and incorporated with Evolutionary Computation.

Evolutionary Computation is based on Darwin’s Theory of Evolution. Genetic Algorithm is most popular among the evolutionary algorithms.

Modularity is used as an evaluation criterion for the fitness of Genetic Algorithm in order to get the optimal clusters.

This network [2] depict the clusters where users would most probably have conversation with each other. *The number of clusters may increase or decrease depending on the optimal modularity.*

References (for images and dataset)