

Social Networking Analysis

Assignment - 1

Submit by 16 August 2019

Choose 3 data sets from SNAP. First find the number of connected components. Then compute the following for the largest connected component of the graph:

1. Maximum degree
2. Average clustering coefficient
3. Plot the degree distribution
4. Compute the exponent in the power law that fits the degree distribution
5. The average path length
6. Diameter of the graph

Write a summary comparing the statistics of the 3 data sets that you have chosen.

Submission procedure: Create a directory with your roll number and add the following:

- Programs
- Prepare a document compiling all the results you obtain for each of the data sets in a table + the deg distribution plot + summary

Tar the directory as rollnumber.tar (eg: 19MCMT01.tar or 17MCMC01.tar) and submit to sdbcs@scis.uohyd.ac.in