

Instructions to the code

The dataset twitter.csv is in the main folder.

In the folder 'code', the codes written in Jupyter Notebooks for the twitter dataset. The folder also has csv files that were generated from the dataset.

code1.ipynb analyzes the dataset and finds out the ks, kdeg, pr values for nodes and then the individual influence and stores in a csv file called worktwitter.csv

code5.ipynb is for finding the ksum and k2sum values of each nodes.

code3.ipynb is finding the average influences of the combinations of measures. The csv file containing details of the nodes have to be loaded before working and the results are stored in another csv file. The code needs to be modified for each pair of measures being considered.

heatmaps.ipynb is plotting average influence using the saved csv files.

compare.csv is for plotting line graphs for influence of ks,kin,pr and ks,kin,kdeg. For obtaining the average influence of the top fraction nodes, each measure is to be obtained by setting the variables accordingly and running the code for it.

deviation.csv has to be run thrice, one time for the variables ks, kin and then pr to obtain the standard deviation among the influence in 5 sections of the range of measures.

The folder 'old code' is for 'Wiki-vote' dataset, this dataset is stored within this folder along with the codes and generated csv files.