IERG3320/ESTR3306 Social Media and Human Information Interaction

Mini Project Two Social Network Analysis – Project Specification

Deadline: 29 November 2020 (Total: 20 scores)

A sociomatrix corresponding to the class blogging network will be provided.

Using the NetworkX Python package, write a Python program to perform the following:

1. Create a graph G which represents the sociomatrix above.
2. Print the value of the in-degree of the node representing you on the screen.
3. Print the value of the out-degree of the node representing you on the screen.
4. Print the value of the closeness centrality of the node representing you on the screen.
5. Print the the value of the shortest-path betweenness of the node representing you on the screen.

Please upload these files to eLearn assignment dropbox (Project Two):

1. Your Python program source code; and
2. Signed Veriguide proof of your Python program source code.

Our tutors will run your program to see if it works properly, and verify your score independently using the sociomatrix and his own program. (Note: your centralities will not affect your project score).

Assessment scheme: Your program must be executable and be able to output the values to the screen. Correctness of the SNA metrics (in-degree, out-degree, closeness, and betweenness) will give you 5 scores each (20 scores in total).