

CSC 641 Network Science, Fall 2016
Instructor: Dr. Natarajan Meghanathan

Term Project: Demo on a Network Visualization and Analysis Tool

Total Points: 100% - Demo-in class: 60% Demo-desktop recorded video: 40%

Due dates: 11/29 and 12/01 (in class presentation 6 to 7.20 PM)
Desktop recorded Demo video (12/01, by 6 PM)

Project Outline: In this project, you will have to select a network visualization and analysis tool (other than Gephi) and give a demo of its working in class as well as submit a desktop recorded demo video (that runs for at least 20 minutes) covering different features of the chosen tool and explanation for using those features with appropriate examples of real-world networks. Your tool could be applied for any field: Social Networks, Biology, Finance, Chemistry, etc. **It is an individual project.**

Tools: A sample list of network visualization and analysis tools can be found at:
<http://www.kdnuggets.com/2015/06/top-30-social-network-analysis-visualization-tools.html>

Desktop Recorded Demo Video Submission: The desktop recorded demo video has to be uploaded through JSU Google Drive and the link has to be emailed to the instructor (natarajan.meghanathan@jsums.edu) by December 1 - 6 PM. Late submission of the desktop-recorded demo video (beyond December 1, 6 PM: is a hard deadline) will not be accepted.

Demo in class: The demo is to be done in class on November 29 and December 1, 2016. The schedule will be announced in the month of November. The demo time per student is 20 minutes.

Selection of the Tool and Instructor Notification: Since it is a small class, I encourage you to discuss and finalize among yourselves and make sure that each student is working on a different visualization and analysis tool.

You will have to email me a network visualization and analysis tool that you will be working on by October 27, 2016 so that I can make sure that no two student is working on the same tool.

You could email me your choice of the tool well ahead of October 27; the final assignment of the tools will be done on a first-come-first-serve basis (whoever emails me first for a tool gets the priority to work on the tool).