

CSC 641 Network Science, Spring 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: April 19-21 (in class presentation 4 to 5.20 PM)
Desktop recorded Demo video (April 22, 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 25 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.

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>

Team: The term project could be done by a team of 1 to 3 students. If a team has one or two students, then the team has to present one tool and its features. If a team has three students, then the team has to present two tools and their features as well as present a comparative analysis of the two tools. In general, the accomplishments of a team in the term project are expected to be proportional to the size of the team.

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 April 22 - 6 PM. Late submission of the desktop-recorded demo video (beyond April 22, 6 PM: is a hard deadline) will not be accepted.

Demo in class: The demo is to be done in class on April 19-21, 2016. The schedule will be announced in the month of April. All the members of a team are expected to participate and talk during the demo in class. The total demo time for a team is expected to be 15-35 minutes (15 minutes for a one member team; 25 minutes for a two member team; 35 minutes for a three member team).

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 team 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 March 22, 2016 so that I can make sure that no two teams are working on the same tool.

You could email me your choice of the tool well ahead of March 22; 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).