

Graph Mining Project Final Details

Submit final presentation to Submittly before class on April 18th
Submit final report, code, and links to data to Submittly before Midnight on April 24th
(Accepted until May 1st)
v1.0: Last Updated April 10, 2024

Project final presentations will be on Thursday April 18th and Monday April 22nd. Basic details are below:

1. Same groups as before. Let me know of any changes.
2. 15 minutes maximum for your presentation.
3. Order will be randomized. We'll be doing a more even split between the two designated class periods this time.
4. Submit your presentation to Submittly before class on the 18th.
5. Presentations will be in person in class. Let me know of any issues.

Your final presentation will be *comprehensive*. However, you can also note that there's some final problem(s) the group is working on before the final report submission. The presentation overall should include:

1. The basic problem statement and original goals of the project.
2. Data used and algorithms implemented.
3. Challenges and updates to original goals.
4. Overall work accomplished and work distribution among teammates.
5. Summary of results and discussion.
6. Possible future work, including what might be finished before the report.

The final report will likewise be comprehensive and should also include all of the above. You'll be writing it as a standard research report with the following general format (doesn't need to be exact).

1. **Introduction** - Problem statement, relevance to graph mining, general importance in the broad sense.

2. **Background** - Relevant background information, including definitions, algorithms, etc. that would fill in any potential knowledge gaps of someone trying to understand the overall project.
3. **Methodology** - How were algorithms implemented. How data was retrieved. How experiments were performed. What systems were used. Any other relevant details.
4. **Results and Discussion** - What are the results of any experiments or analysis.
5. **Conclusions** - Summary of everything done and potential future work.

Grading for the final project will be based on the fact that all of the above details are adequately addressed (50%) and overall perceived effort (50%). As the project is the bulk of the grade for this class, expected effort for the project should be around 20 hours per group member.¹

¹Note that the instructor has been around the graph mining block quite a few times, and he can easily estimate how long implementation, data parsing, and testing should take.