Social Networks and Social Computing: A Data Science Perspective

(CSIT 6000K)

A Complete Guide to Writing a Successful Final Report

(Updated for Spring 2021-2022)

Contents

The Template for Your Final Report

Word Authors: You need to use the old interim ACM Small template. Please use this Link to access the templates.

Latex Authors: You need to use the template which is available at this Link and insert the acmsmall call.

Overleaf Authors: You need to use the template at this Link and use the acmsmall call.

Customize Your Title

Now that you have completed your project and have a comprehensive understanding of your research, you can choose a customized title for your project.

How to choose an attractive research title? Click here

The Authors

Please do not forget to write down your:

Team Number, Full Names, Student IDs, and Email contacts.

Length of Your Final Report

Please note that there is no limit to the number of pages you can use for the final report.

However, a typical final report is supposed to be under 12,000 words.

Structure and Organization

We recommend the following structure and organization for your final report:

- Abstract (No more than 300 words)
- Introduction
- Related Work
- Problem Definition (Research Questions)[1]
- Model/Algorithm/Method[2]
- Results
- Critical Discussion of Findings
- Future Work
- Conclusion
- References

Contribution Statement and Contribution Form

Please add a new section after the "Conclusion" section and call it "Contribution Statements".

[1] Why are these research questions meaningful and important?
[2] Please do not forget to provide the necessary background if needed

In this section, each student should independently write up to three paragraphs to explain what he or she has exactly done to this project. Please be as detailed as possible because this part will serve as a basis for your individual evaluation.

Finally, please do not forget to fill out this contribution form individually: Click here

The deadline for completing the contribution form is the same as the deadline for submitting the final report, which is May 27, 11:59 PM.

Grading Protocols

We will use the following guidelines when grading your final project writeups. Keep in mind however, that if there is a good reason why your project doesn't match the rubric below, we will take that into consideration when grading your report. For example, we recognize that purely theoretical or data analysis projects may not fit the rubric below perfectly, and that depending on your project you may want swap the ordering of certain sections. But hopefully all projects can be roughly mapped to the criteria below.

Introduction/Motivation/Problem Definition (20%)

What is it that you are trying to solve/achieve and why does it matter?

Related Work (10%)

How does your project relate to previous work. Please give a short summary on each paper you cite and include how it is relevant. (Please cite from state-of-the-art works in recent years if possible)

Model/Algorithm/Method (30%)

This is where you give a detailed description of your primary contribution. It is especially important that this part be clear and well written so that we can fully understand what you did.

Very Important Note:

o All of your procedures should be replicable

(Include all of the codes and data links that are needed for replication of your work)

o You should justify the reason for using the models/algorithms/ and methods you use

Results and findings (30%)

How do you evaluate your solution to whatever empirical, algorithmic or theoretical question you have addressed and what do these evaluation methods tell you about your solution. It is not so important how well your method performs but rather how interesting and clever your experiments and analysis are. We are interested in seeing a clear and conclusive set of experiments which successfully evaluate the problem you set out to solve. Make sure to interpret the results and talk about what can we conclude and learn from your evaluations. Even if you have a theoretical project you should have something here to demonstrate the validity or value of your project (for example, proofs or runtime analysis).

Style and writing (10%)

Overall neatness of writing, format, and organization

Final Remarks

- Avoid copy and paste from the Internet
- All projects should contain at least some amount of mathematical analysis, and some experimentation on real or synthetic data
- Projects on similar topics should have non-trivial attributes and analysis that distinguish them from other similar projects
- Avoid playing with words, obfuscating, etc.
- Treat your final report more seriously than your proposal and progress report. Your document should be self-contained and complete (similar to a professional academic paper).
- Put everything in a Zip file and submit it to Canvas. The name of the Zip file should be your Team Number.
- There is no need for parallel submission. You can ask your team's coordinator to submit on behalf of all of your team members.
- Make sure to submit the final report on time.

Good luck