Title of Report

Author 1[1], Author 2[2], Author 3[3], Author 4[4], Author 5[5]

Faculty Mentors: Mentor 1[6], Mentor 2[7]

Abstract

- Summarize the results presented in the report, and the contributions of your research.

- Readers should not have to look at the rest of the paper in order to understand the abstract.

- Keep it short and to the point.

1 Introduction

It should be written as much as possible in non-technical terms, so that a lay reader can understand the context and the contribution of the paper.

- Describe the problem you are trying to solve, the approach you took, and summarize your contribution and results.

- Review the history of this problem, and existing literature.

- Give an outline of the rest of the paper.

2 The Problem

- Give a precise technical description of your problem.

- State and justify all your assumptions.

- Define notation.

- Describe your data, how you collected them, their properties, and whether you did anything to them (removed noise, filled in missing data, applied normalizations).

3 The Approach

- Present and justify your approach for solving the problem.

- Explain the advantages of your approach over existing ones.

- Tell a story. Don't just say: "I did this, then I did this, and at last I did this".

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[1]Department, University
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4   Computational Experiments

Give enough details so that readers can duplicate your experiments.

- Describe the precise purpose of the experiments, and what they are supposed to show.

- Describe and justify your test data, and any assumptions you made to simplify the problem.

- Describe the software you used, and the parameter values you selected.

- For every figure, describe the meaning and units of the coordinate axes, and what is being plotted.

- Describe the conclusions you can draw from your experiments

5   Summary and Future Work

- Briefly summarize your contributions, and their possible impact on the field (but don't just repeat the abstract or introduction).

- Identify the limitations of your approach.

- Suggest improvements for future work.

- Outline open problems.