

# Project Proposal/Proof of Concept

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 [moodle.cs.usask.ca/mod/assign/view.php](https://moodle.cs.usask.ca/mod/assign/view.php)

## Project Proposal

Prepare a three to four page document using the ACM Master Template (<https://www.acm.org/publications/proceedings-template>) which covers the following topics

### Introduction (approximately 1 page) 20 Marks

Provide an introduction which covers the motivation, general problem statement, specific problem statement. Use the formula I presented last term in the “How to Write a Paper” Seminar. I have posted the [slides](#) to the Moodle for your reference.

### Related Work (approximately half a page) 10 Marks

Provide an overview of around 10 related papers. The literature review should reflect how your project fits within the literature. A full contribution is not required for the project, but you should demonstrate that you understand how it fits into what has been published.

### Methods (approximately 1 page) 30 Marks

Describe the method you have used to clean the data. State all relevant independent and dependent variables. Clearly identify all the steps and parameters employed in filtering, stratifying, aggregating and modelling. Justify your choice of parameters and methods from the literature, from the data (e.g. median split) or from a priori knowledge (router MAC in Place Riel). The methods should include detail for any methods that you have already implemented in your data characterization, and theoretical/algorithmic outlines for approaches you intend to investigate for the final project.

### Data Analysis (approximately 1 page) 30 Marks

Provide aggregate statistical distributions for all input and output variables. Comment on their structure as it is relevant to your inquiry (e.g. type of distribution, data/class skew, number of records)

### Proposal (approximately half a page) 10 Marks

Describe the remaining work, particularly any additional modelling you need to do.