

CMPT 826 - Data and Process Modeling and Analytics

 moodle.cs.usask.ca/mod/assign/view.php

Prepare a 6-8 page document using the ACM Master Template (<https://www.acm.org/publications/proceedings-template>) which covers the following topics

Introduction (approximately 1 page) 15 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. Be clear as to your motivation statement, your general problem statement and your specific problem statement.

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 1.5 pages) 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). Provide a sufficient level of detail on any models you have implemented to demonstrate that you understand what you have implemented, but not a complete description of all aspects of those models.

Results (approximately 2-3 pages) 30 Marks

Provide a summary of results. Presented results should either provide direct evidence addressing the specific problem statement, or provide context for the limitations to generalizability of the findings. Carefully consider the visualization you are providing. With the data we have it is possible to generate volumes of data representations, but you need to identify which visualizations are critical for the case you are making in the paper.

Discussion and Summary (approximately a page) 10 Marks

Interpret your results, in the context of the data you have collected. Provide a discussion of the the generalizability of your results. What are the limitations to the work? Write a short paragraph on future work. Because this is an class paper, provide a paper that describes what you have learned through the exercise, and what you would do differently if you had to do it again. Finish with a short summary of your work.

Writing quality 5 marks