

# 1 Project Description for STAT321/421

You must conceive of and perform a simulation study on the problem of your choosing. Results should be presented in in a **well-written** report that includes a description of the problem, the results, and all of the code to generate the results (i.e. everything should be reproducible).

## 2 Format of Report and Rubric

1. (10 points): Introduction: Describe what your problem is. You can also add citations to others' previous work that is related to your problem. This is almost exclusively text.
2. (25 points) Methods: Here you describe the details of the methods that you are going to use to solve your problem. If there are formulas involved in your problem, this is where they usually go. You could also choose to put your code in this section (though I generally prefer to put the code in an Appendix).
3. (25 points) Results: Describe all of the interesting results that you have found. This is where you would put tables and graphs with your results. (Tables are OK, but figures are better!). Make sure you describe in detail what is in each table and figure.
4. (10 points) Conclusions / Future Work: Briefly restate what you did and then describe the results. It is also good to mention in this section other work that you would do in the future if you had time. This section is almost exclusively text.
5. (30 points) Appendix: This is where your code should go. I should be able to take this code and run it and get ALL the results that appear in your report. Remember to use good style when writing your code (<http://adv-r.had.co.nz/Style.html>).