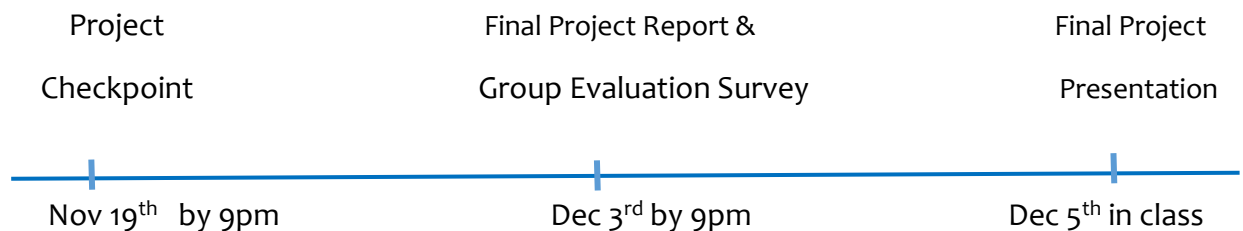# Data 603 Project Guidelines

Due date: December 3rd 2019 by 9pm

Late submission will not be graded

One project will be assigned during the semester and is worth 30% of your total grade. The project shall be completed in groups of 3-4 students. The purposes of the project are for students to be able to design and conduct an appropriate model or experimental design, as well as analyze and interpret an appropriate model or an experimental design with your own data set. Finally, the students be able to analyze the results of the selected model or the experimental design. Each student in a group is expected to make a full intellectual contribution to the project.

Project Timelines

Project Checkpoint	Final Project Report & Group Evaluation Survey	Final Project Presentation
Nov 19th by 9pm	Dec 3rd by 9pm	Dec 5th in class

- **What do you need to do for the project check point?**

Please check Project Checkpoint posted on D2L for your information.

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- **What do you need to do for the final project presentation?**

The final project presentation is worth 10% of the total grade. Each group has approximately 12-15 minutes to present your group project. Each student in a group is expected to present your work.

- **What do you need to do for the project report?**

The final project report is worth 20% of the total grade and it consists of 4 components;

1) **Chapter 1: An introduction**

    Formulate objectives of the studies. State the problems and why this topic is of your interest. Specify a software that you use to analyze the project topic.

2) **Chapter 2: Methodology (methods used to complete the project)**

    Define variables and their type of measurement (Qualitative or Quantitative variable, Discrete or Continue variable). Clearly state what is dependent variable and what are independent variables. Describe all methods for modelling to your data.

3) **Chapter 3: Main results of the analysis**

    Provide software codes and run all methods mentioned in Chapter 2 with summary table of the results.

4) **Chapter 4: Conclusion**

    Choose the best model with clearly provide why this model is the best fit for data. Interpret each coefficient of your best model. Mention all assumptions if they are met with detail.

I highly recommend looking at the "Final Report Grading Rubric" document to make sure you're including all that you need to in the final report.

The project report must be submitted in R markdown and .html or .pdf file. Please submit via D2L Dropbox with your dataset .The deadline of this submission is on December 3ʳᵈ by 9pm.

- **What do you need to do for the Group Evaluation Survey?**

Because you are completing the project as a group, I only need one copy of the report, one copy of the data, and one copy of the R code. Please make sure all of your names are on the report. **I ask each member of the group also fill out "Group Evaluation Survey"** (posted in the "Project Information" folder on D2L). These are to be completed individually and submit via D2L Dropbox **on December 3rd by 9 pm.**