

Project Report

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Introduction

You are required to do a group project for this course and your group should have 5 members. You need my permission if your group consists more or less than 5 members.

You will submit three reports and make a 20 minute presentation during the regular class hours. Presentations will occur between Tuesday, November 30 and Thursday, December 9. You will be assigned a specific time slot. All members are required to be present when your group is giving the presentation.

Timeline

Oct. 19, the first report due.

Nov. 11, the second report due.

Nov. 23, the final report due.

First report

In this report, you would identify the data set you would like to use for your group project. Your data must be appropriate for forecasting. Identify your research objectives and potential statistical models and methods that you plan to employ.

Your report shall be 1 to 2 pages and include the following information:

1. Names of the group members.
2. Data set you plan to use. Include the source of data so that readers will be able to find and obtain your data if you wish to.
3. Research objectives.
4. Potential statistical models and methods to be used.
5. Plan how the group would work together.

Second report

Your report shall be 3 to 5 pages and consist of the following:

1. Introduction to the data set and to the research problems.
2. Exploratory data analysis.
3. Preliminary statistical results from the appropriate statistical models and methods.

4. Tentative conclusions.

You shall include all your R code in the report.

Final report

Your report shall be written in a format appropriate for a scientific report. The report shall be at least 4 pages long and not exceed 10 pages. Your report shall provide introduction to your data and to your research problems/objectives. It shall include the statistical models and methods, exploratory data analysis if appropriate, and clear interpretation of statistical results. You shall include comment on the models and/or methods about their performance. You shall include all your R code in the report.

Grading will be based on completeness, novelty, correctness, and writing quality.