

Sample Structure of the Project Paper

NOTE: You have to write the project paper as if you are submitting a statistical report to a company you are consulting, assuming that they are not statisticians. Your paper must be concise and precise and easy to read (please type in a Word Process). The computer outputs should be either inside of your paper or at the end as references with labeled carefully (please control the sizes of plots). Do NOT turn in any outputs not discussed. The following sample structure is just an example. You may have a different format. Your paper should not exceed 5 pages, excluding the computer outputs. 30% of total credit will be assigned for the writing style.

Title of the project

Introduction

Brief statements about the study; data, the importance of the study, hypothesis of the study and expected results toward the hypothesis, etc. You have to use your own statements.

Data

Detailed descriptions and the source of your data.

Statistical Analysis

Opening statement about possible and intended statistical approaches and brief explanations regarding those selected/intended methodologies (in words).

1. Descriptive Statistics

Some basic statistics about the response and explanatory variables involving their means, standard deviations, sampling distributions, etc. Provide some necessary plots here.

2. Model Fitting and/or Selection

Fit the model here and write your model. Is your model reasonable? Explain

3. Model Checking

Use this section for a complete residual analysis.

4. Statistical Inferences

Inferences on parameters in the model, factor effects, multiple comparison, etc.

Conclusion and Suggestion

Clearly conclude your results and/or some suggestions for further study.