Final Group Project Guidelines

We will have a group project instead of the FINAL EXAM. You may work in groups of three or four people. Your project should be a complete statistical analysis. Your goal is to produce a poster that outlines a question to be studied, performs an appropriate statistical analysis, answers the questions, and provides conclusions and limitations of the analysis. The presentation should stand on its own, and should not require previous knowledge of the data set.

By **March 24** you will need to identify a data set that is appropriate for a multiple regression analysis. You will need to have read the data set into SAS by that time. By **March 27**, you will need to turn in one to two paragraphs describing the data, problem and goals of you analysis. You should include preliminary scatter plots of the variables and summary statistics. THIS IS PART OF YOUR GRADE. The class and lab sessions the week April 1will be set aside to discussing projects.

Poster

The poster should contain several parts.

- An introduction to the question to be studied. You should describe the overall question that you will be studying.
- A description of how the question will be approached. In this portion, you will need to describe the data that you will use to answer the research question. You should also describe how the data relate to the research question.
- A description of the analysis performed. Here, you should describe the analysis that you do. There should be enough description so that a reader familiar with the technique you use can understand the analysis. Describe hypotheses and give test statistics, p-values and interpretations.
- A summary of the conclusions. These conclusions should be stated in words relevant to the research question.
- Plots/graphs containing supporting documentation— annotated computer output to back up the analysis and conclusions.

This should be written so that a non-statistician can understand your results and conclusions.

The data for the poster session will be announced later.