Points: This project covers 5% of the course grade.

Project:

Choose a dataset of your own to do an analysis covariance. Your data may include one or more factors along with one or more covariates. Use any technique we have covered in the course to analyze your data. This includes tests for the main effects of the study factor(s), and significance of the covariate(s). You may also consider including interaction between factor(s) and covariate(s). Explain the model assumptions and use the residual analysis to examine the fit of your model. Prepare a three-page report explaining your analyses and results. Please include a brief explanation of the data along with your results and conclusions. Your report may include the following sections:

- Introduction: Statement of the problem.
- Material and Methods: Description of the data and methods that you used for the analysis.
- Results: Explain the results of your analysis in detail. You may cut and paste some of your computer outputs and refer to them in the explanation of your results.
- Conclusion and Discussion: Highlight the main findings and discuss.