

**Extra assignment for students
taking STAT 516 for
graduate or honors credit**

You will analyze a data set of your choosing, using a method we have discussed in this class, such as:

Simple Linear Regression, Multiple Linear Regression, One-Way ANOVA, Analysis of a Factorial Experiment, or Two-Way ANOVA for Randomized Block Design.

The data set should be one that is related to your major field of study (or simply one that is of personal interest to you) and that fits one of the analyses studied in STAT 516. It should be a real data set which you have not analyzed before and which has not been analyzed in a textbook (using the methods of STAT 516, anyway). The data could be a data set you find in a source (please cite the source carefully!) or data you gather yourself.

You should write a concise report summarizing your analysis. The report should be no longer than three (typed) pages, not counting any SAS or R output, graphs, etc., which you may wish to include as support or illustration for your analysis.

The style of the report is up to you, but the best reports will address many of the questions and details studied in class when we discussed the relevant type of analysis.

The report will be due Friday, April 22, 2016, and will count as 5% of the course grade for those taking STAT 516 for graduate or honors credit. Other students may turn in a project for extra credit, which will take the form of between 1 and 8 extra points on the final exam score (depending on the quality of the report).