**SPLH 861 HW4: General Linear Models on Your Own Data (10 points total)  
Due Friday 10/3/2014 by 11:59 PM via Blackboard  
Revision Due by Friday 10/24/14 by 11:59 PM via Blackboard  
  
Please submit all requested files (word document, syntax, and output)  
using this naming convention: 861\_Firstname\_Lastname\_HW4**

**General Instructions:** The goal of this assignment is for you to apply what you’ve learned about estimating and interpreting main effects and interactions within general linear models to your own data. Select a single outcome variable that is plausibly continuous (please see me for ideas if you don’t think you have one). Select 3–5 predictors of interest (these may be continuous, categorical, or semi-continuous). Make sure to center each so that 0 is a meaningful value. Formulate and answer research questions of interest to you, including at least one interaction term in your model. Submit your syntax and output along with a written document that includes the following items. However, I do not want a numbered list—your document should be written in whatever style is typically used in your discipline (e.g., APA style).

1. Write a “purpose of the present study” section (2–3 paragraphs at most) that briefly introduces your topic area and presents your research questions. **(1 point)**
2. Write a short method section that contains the relevant information about your participants, measures/stimuli/design, and study procedure. You may organize this information in whatever format is typically used in journals in your discipline. Include a table of descriptive statistics for all variables used in your analyses (e.g., Mean, SD, Minimum, and Maximum for continuous variables; frequencies for categorical variables). **(2 points)**
3. Write a results section that summarizes your analyses, using those from HW1–3 as a guide for what should be included. The text should be phrased as explicit answers to your research questions to the extent possible. Include at least one table of model parameter estimates and one figure that illustrates your findings. Although you may trim nonsignificant effects prior to interpreting your final model, if none/few effects are significant, then keep some of them anyway so that you can get practice describing them. **(6 points)**
4. Write the beginning of a discussion section that summarizes the results as explicit answers to the questions you started with (1–2 paragraphs at most). **(1 point)**