**SPLH 861 HW10: Generalized Models on Your Own Data (10 points total)  
Due Friday 12/12/2014 by 11:59 PM via Blackboard  
Revision Due by Friday 12/19/2014 by 11:59 PM via Blackboard  
  
Please submit all requested files (word document, syntax, and output)  
using this naming convention: 861\_Firstname\_Lastname\_HW10**

**General Instructions:** The goal of this assignment is for you to apply what you’ve learned about generalized linear models to your own data. You may use any of the models we’ve discussed in class for binary, categorical, proportion, count, or “if and how much” outcomes, *provided that the model you use for HW10 is distinct from the model you fit HW9*. If you have an idea for another type of generalized model not explicitly discussed in class, please let me know. Formulate and answer research questions of interest to you within one of the aforementioned generalized linear models—these may be univariate or multivariate (repeated measures or multilevel) as required by your data. 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 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). **(1 point)**
3. Write a results section that summarizes your analyses, using those from the relevant examples and homework 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.   
   **(7 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)**