**SPLH 861 HW7: Multivariate Models on Your Own Data (10 points total)
Due Friday 11/14/2014 by 11:59 PM via Blackboard
Revision Due by Monday 12/1/2014 by 11:59 PM via Blackboard

Please submit all requested files (word document, syntax, and output)
using this naming convention: 861\_Firstname\_Lastname\_HW7**

 **General Instructions:** The goal of this assignment is for you to apply what you’ve learned about multivariate analysis to your own data (e.g., repeated measures of discrete conditions, crossed random effects of trial-level analysis, models for clustered data, or mediation models). Your outcome variables should still be plausibly continuous for now (please see me first otherwise). Formulate and answer research questions of interest to you within one of the aforementioned multivariate analysis frameworks. 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 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.
**(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)**