**SPLH 861: Applied Quantitative Methods  
  
Data Analysis Outline  
*completed version due 8/29 by 11:59 PM via email to*** [***lesa@ku.edu***](mailto:lesa@ku.edu) **Please submit using this naming convention: 861\_Firstname\_Lastname\_Outline.docx**

Please answer the questions below about the data analytic project(s) on which you would like to focus this semester. I will use these responses to build a syllabus and activities accordingly.

1. Briefly describe the research topic for your data:
2. Describe briefly the design of your study, including:
   1. What is your unit of analysis (e.g., children, students, animals, organizations) and their approximate sample size?
   2. Are your sampling units grouped in any meaningful way (e.g., children in schools)? Please describe how if so.
   3. Is this an experimental design? If so, describe the conditions and whether they are between groups or repeated measures.
   4. Is this design longitudinal or otherwise have any more complex features?
3. For each of your variables of interest, describe the following:
   1. Whether it is a predictor, an outcome, or potentially both at once
   2. The construct it refers to and how it is measured (e.g., item, scale, behavioral measure, other)
   3. Its sources of variation (i.e., varies across persons, time, stimuli, or otherwise)
   4. The extent of any missing data (i.e., a lot, a little, none)
4. What do you want to know with respect to these variables? Describe your research questions here as best you can.
5. What coursework have you had that would have prepared you to analyze these data, what software can you use, and what additional skills/models/software do you think you might need?