Instructor Name: Lindsey Smith

Course Name: Data Analysis Using SPSS

Course Description: (A brief description of the course content to be covered.)
This course is designed to teach participants how to use SPSS for data manipulation and analysis. The course will begin with an overview of the software, data handling and manipulation, descriptive statistics, and data visualization. The remainder of the course will focus on inferential analyses including correlation, simple and multiple linear regression, chi-square tests, *t*-tests, and ANOVA. As the inferential analyses are conducted, the basic theory behind each analysis will be reviewed and instruction about how to check each of the associated assumptions will be addressed.

Day 1:
- Overview of the interface
- Defining variables
- Case manipulation
- Summarizing data

Day 2:
- Data visualization
- Correlation including assumption checks

Day 3:
- Simple and multiple linear regression including assumption checks
- Chi-square tests including assumption checks

Day 4:
- *t*-tests including assumption checks
- ANOVA including assumption checks

Note: This is a tentative outline of the course. The topics covered each day may vary depending on the pace of the class.