Teaching Assistant, General Linear Models II
Description
Course: CSP 519: General Linear Models II
Role: Teaching Assistant (instructor: Harry Reis)
Term: Spring 2017
Department: Clinical & Social Psychology, University of Rochester

Short description:
This is a statistics course aimed at early-stage PhD students in psychology looking to get a general background in regression. The course starts with an introduction to multiple regression and then progresses through various applications for different kinds of independent variables (i.e., continuous vs. categorical) and coding strategies for interactions between these variables. The course ends with a couple of more advanced topics like dimensionality reduction, mediation analyses, and structural equation modeling. The lectures are supplemented with weekly labs where students get the chance to implement these analyses in either SPSS or R.

Course composition:
12 (mostly first-year) PhD students from the Clinical & Social Psychology and Brain & Cognitive Sciences programs. Typically, CSP students choose to take the SPSS labs and BCS students take the R labs. The makeup of the R lab this term was three BCS students and one CSP student.

Summary of teaching responsibilities
- <u>Labs</u>: Led hands-on R programming labs throughout the semester covering skills needed to complete assignments and exams.
- <u>Grading</u>: Graded assignments and the final exam for the students who used R.