Course Syllabus

Course objective

At the end of this course, students should be able to be comfortable analyzing complex categorical data in R.

Textbooks


Prerequisites

SOC 504/505/506, or equivalent; recommended: CS&SS 505/506. Students are expected to be familiar with R as well as with basic calculus, matrix algebra and probability.

Course requirements

The students will have to complete six homework assignments (75% of the grade) and a final take-home exam (25% of the grade). The homework assignments will be graded credit/no credit.

Climate

Diverse backgrounds, embodiments, and experiences are essential to the critical thinking endeavor at the heart of university education. Therefore, I expect you to follow the UW Student Conduct Code in your interactions with your colleagues and me in this course by respecting the many social and cultural differences among us, which may include, but are not limited to: age, cultural background, disability, ethnicity, family status, gender identity and presentation, citizenship and immigration status, national origin, race, religious and political beliefs, sex, sexual orientation, socioeconomic status, and veteran status.

Topics to be covered


Schedule

1. Foundations: Review of basic mathematical concepts, matrix algebra and discrete probability distributions. Reading: Fienberg, chapter 1; Long, chapters 1, 2.