7. **Estimation and Tests of Significance**
    Elementary methods of analyzing the results of controlled experiments and observational studies are presented. Standard t-tests, chi-square tests, and related confidence intervals are introduced with emphasis on the role of the chance model, and the interpretation of the results. Methods for distinguishing reproducible trends from those that are temporary and due to sampling error are examined. Applications to surveys in sociology, criminology and political science.

Grading Scheme:

4-5Assignments – 25% in total
Midterm 1 – 15%

%