

POLI SCI 403

Probability and Statistics

August 8, 2024

Recommended material

Statistics

Textbooks

- Freedman, David, Robert Pisani, and Roger Purves. 2007. [Statistics](#). New York, NY: Norton

i Note

A good introduction for those who do not have experience with undergrad-level courses in probability and statistics.

- Imai, Kosuke and Nora Web-Williams. 2022. [Quantitative Social Science: An Introduction in tidyverse](#). Princeton University Press

i Note

A common resource in introductory graduate methods courses that seamlessly integrates theory with coding. There are also versions in base R and Stata

- Llaudet, Elena, and Kosue Imai. 2022. [Data Analysis for Social Science: A Friendly a Practical Introduction](#). Princeton University Press

i Note

A good introduction to statistics in R for complete beginners

Regression

Parametric models

Missing data

Partial identification

Causal inference in experiments

Causal inference in observational studies

Computing