

POLI SCI 403

Probability and Statistics

August 13, 2024

Recommended material

Statistics

Textbooks

- Freedman, David, Robert Pisani, and Roger Purves. 2007. *Statistics*. New York, NY: Norton Accessible undergrad-level introduction
- Imai, Kosuke and Nora Web-Williams. 2022. *Quantitative Social Science: An Introduction in tidyverse*. Princeton University Press Grad-level textbook blending stats and R
- Llaudet, Elena, and Kosue Imai. 2022. *Data Analysis for Social Science: A Friendly a Practical Introduction*. Princeton University Press For complete beginners with almost no math

Regression

Parametric models

Missing data

Partial identification

Causal inference in experiments

Causal inference in observational studies

Computing