

Schedule*

* Each week begins with class (**date in red**), when assignments are due

Week 1. Overview, Measurement (**August 31**)

- a. **Video:** 1. [Overview](#) (51min) [Slides: [basics](#) pp.1-11]
- b. **Class Slides** [measurement](#), [compactness](#)

Week 2. Statistical models; Data generation processes (**Sep 12**)

- a. **Videos:** 2. [Statistical models](#) (49mins) [Slides: [basics](#) 12-21] and 3. [Data generation processes](#) (29mins) [Slides: [basics](#) 22-30]
- b. **Reading:** [UPM Ch.1 \[Gary King. Unifying Political Methodology: The Likelihood Theory of Statistical Inference \(University of Michigan Press\)\]](#)
- c. **Class Slides**

Week 3. Probability; Theories of Inference (**Sep 19**)

- a. **Videos:** 4. [Probability](#) (72mins) [Slides: [basics](#) 31-51] and 5. [Theories of Inference](#) (75mins) [Slides: [inference](#) 1-21]
- b. **Reading:** [UPM Ch.2-3](#)
- c. **Class Slides**

Week 4. Likelihood Inference (**Sep 26**)

- a. **Video:** 6. [Likelihood Inference](#) (64mins) [Slides: [inference](#) 21-30]
- b. **Reading:** [UPM Ch.4](#)
- c. **Class Slides**

Week 5. Uncertainty Estimation; Statistical Simulation (**Oct 3**)

- a. **Videos:** 7. [Uncertainty Estimation](#) (29mins) [Slides: [inference](#) 31-37] and 8. [Statistical Simulation](#) (54mins) [Slides: [inference](#) 38-53]
- b. **Reading:** Gary King, Michael Tomz, and Jason Wittenberg. 2000. "[Making the Most of Statistical Analyses: Improving Interpretation and Presentation](#)." *AJPS*, 44, Pp. 341–355.
- c. **Class Slides**

Week 6. Binary Outcomes; Interpreting & Presenting Results (**Oct 17**)

- a. **Videos:** 9. [Binary Outcome Models](#) (53mins) [Slides: [bmodels](#) 1-14] and 10. [Interpreting and Presenting Statistical Results](#) (58mins) [Slides: [bmodels](#) 14-27]

- b. **Reading:** (1) UPM Ch.5.1-5.3, (2) Karen Ferree. "[Explaining South Africa's racial census](#)" *Journal of Politics* 68.4 (2006): 803-815.
- c. **Distinguished Visitor:** [Karen Ferree](#)
- d. [Class Slides](#)

Week 7. Discrete Outcome Models (Oct 24)

- a. **Video:** 11. [Discrete Outcome Models](#) (81mins) [Slides: [smodels](#)]
- b. **Reading:** (1) UPM Ch.5.4-5.10, (2) Debra Javeline. "[Response effects in polite cultures: A test of acquiescence in Kazakhstan](#)" *Public Opinion Quarterly* (1999): 1-28.
- c. **Distinguished Visitor:** [Debra Javeline](#)
- d. [Class Slides](#)

Week 8. Model Evaluation; Robust Standard Errors (Oct 31)

- a. **Videos:** 12. [Model Evaluation](#) (37mins) [[evalmodel1](#) 1-8] and 13. [Robust Standard Errors](#) (30mins) [Slides: [evalmodel1](#) 9-19]
- b. **Reading:** (1) Gary King and Margaret E. Roberts. 2015. "[How Robust Standard Errors Expose Methodological Problems They Do Not Fix, and What to Do About It](#)" *Political Analysis*, 23, 2, Pp.159–179. (2) Thompson, Daniel M., Jennifer A. Wu, Jesse Yoder, and Andrew B. Hall. "[Universal vote-by-mail has no impact on partisan turnout or vote share](#)." *PNAS* 117, no. 25 (2020): 14052-14056.
- c. **Distinguished Visitor:** [Andrew Hall](#)
- d. [Class Slides](#)

Week 9. Research Designs; Model Dependence (Nov 7)

- a. **Video:** 14. [Research Designs](#) (72mins) [Slides: [matchse](#)] and 15. [Model Dependence](#) (75mins) [Slides: [modeldepmatch](#) 1-19]
- b. **Reading:** (1) Kosuke Imai, Gary King, and Elizabeth Stuart. 2008. "[Misunderstandings Among Experimentalists and Observationalists about Causal Inference](#)." *JRSS-A*, 171, part 2, 481–502, and (2) Andrew Reeves, Lanhee Chen, and Tiffany Nagano. "[A Reassessment of 'The Methods behind the Madness: Presidential Electoral College Strategies, 1988–1996'](#)" *Journal of Politics* 66.2 (2004): 616-620.
- c. **Distinguished Visitor:** [Andrew Reeves](#)
- d. [Class Slides](#)

Week 10. Matching Methods (Nov 14)

- a. **Video:** 16. [Matching Methods](#) (83mins) [Slides: [modeldepmatch](#) 20-45]

- b. **Reading:** (1), Daniel Ho, Kosuke Imai, Gary King, and Elizabeth Stuart. 2007. "[Matching as Nonparametric Preprocessing for Reducing Model Dependence in Parametric Causal Inference](#)" *Political Analysis*, 15, Pp. 199–236, (2) Daniel E. Ho and Donald B. Rubin. "[Credible causal inference for empirical legal studies](#)" *Annual Review of Law & Social Science* 7 (2011): 17-40
- c. **Distinguished Visitor:** [Daniel E. Ho](#)

Week 11. Multiple Equation Models; Missing Data (Nov 21)

- a. **Videos:** 17. [Multiple Equation Models](#) (67mins) [Slides: [mmodels](#)] and 18. [Missing Data](#) (104mins) [Slides: [missing](#)]
- b. **Reading:** [UPM Ch.8](#)

Week 12. Anchoring Vignettes (Interpersonal Incomparability) (Nov 28)

- a. **Video:** 19. [Anchoring Vignettes](#) (62mins) [Slides: [vign](#)]
- b. **Reading:** (1) Gary King, Christopher J.L. Murray, Joshua A. Salomon, and Ajay Tandon. 2004. "[Enhancing the Validity and Cross-Cultural Comparability of Measurement in Survey Research](#)." *American Political Science Review*, 98, Pp. 191–207. (2) Kuhn, Diane, et al. "[Anchoring Vignettes as a Method to Address Implicit Gender Bias in Patient Experience Scores](#)" *Annals of Emergency Medicine* (2021), (3) Optional: [GaryKing.org/vign](#).
- c. **Distinguished Visitor:** [Diane Kuhn](#)

Videos: Watch and annotate in [Perusall](#) (or for nonstudents: [on YouTube](#)). Instructors, or groups of students watching together, may alternatively create their own free Perusall class account by registering [here](#), creating a course, and entering in "copy code" **PCDKPTWZ39**, which will pull in all of the videos.

Readings: Read and annotate in [Perusall](#)

Slides: Videos include slides and so are self-contained, but I've also made the slides appearing in the videos available in two forms, both as PDFs: as I used them (with one line advancing at a time) and for printing (an entire page appearing all at once). The URL for each slide deck for **basics** is linked above as the more concise handout document

<https://gking-projects.iq.harvard.edu/gov2001/basics-handout.pdf>. To see the original slide deck with transitions used in each video, remove the 'handout' in the URL

<https://gking-projects.iq.harvard.edu/gov2001/basics.pdf> (and similarly for the others). [All slide decks used above: basics (corresponding to videos 1-4), inference (5-8), models (9-10), smodels

(11), evalmodel (12-13), matchse (14), modeldepmatch (15-16), mmodels (17), missing (18), vign (19)]

Class: Slides presented in each class meeting.

Distinguished Visitors: Alumni of Gov2001 visit with us for ~30 minutes to answer questions about an article of theirs related to the week's material. Be sure to read their article before class.