

Andrés Cruz

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Research Interests

Political Methodology; Robustness and Sensitivity Analysis; Machine Learning; Metascience; Comparative Political Economy.

Education

The University of Texas at Austin (UT)

Ph.D. in Government (2021–present)

- Dissertation: *Three Essays on Systematizing Robustness in Social Science Research*.
- Committee: John Gerring (chair), Stephen Jessee (chair), Max Goplerud, Connor Jerzak, Santiago Olivella.

M.S. in Statistics (2025)

Pontificia Universidad Católica de Chile (PUC)

B.A. & M.A. in Political Science (2019)

Research

Working papers (available upon request)

5. **Cruz, A.**, Bouyamourn, A., Ornstein, J.T. *Survey Quality and Acquiescence Bias: A Cautionary Tale*. Accepted pending replication, *Political Analysis*.
4. **Cruz, A.**, Gerring, J., & C.H. Knutsen. *Synthesizing Research through Total Model Space: The Case of Democracy and Growth*. Submitted.
3. Gerring, J., **Cruz, A.**, de Castro Quaglia, L., Miao, K., Öncel, E., & Saijo, H. *Leader Tenure and Leader Power*. [OSF]. Under review.
2. Gardner, R., Martin, M., Moran, A., Elkins, Z., **Cruz, A.**, & Pérez, G. *Expanding Your Vocabulary: Topic Integration Using the Segments-as-Topics (SAT) Approach*. Submitted.
1. **Cruz, A.** *Detecting and Understanding Influential Sets*.

Peer-reviewed publications

3. **Cruz, A.**, Elkins, Z., Gardner, R., Martin, M., & Moran, A. (2023). [Measuring Constitutional Preferences: A New Method for Analyzing Public Consultation Data](#). *PLOS ONE*, 18(12).
2. Luna, J.P., Pérez, C., Toro, S., Rosenblatt, F., Poblete, B., Valenzuela, S., **Cruz, A.**, Bro, N., Alcatruz, D., & Escobar, A. (2022) [Much Ado About Facebook? Evidence from Eighty Congressional Campaigns in Chile](#). *Journal of Information Technology & Politics*, 19(2).
1. Huneus, S., Toro, S., Luna, J.P., Sazo, D., **Cruz, A.**, Alcatruz, D., Castillo, B., Bertranou, C., & Cisterna, J. (2021) [Delayed and Approved: A Quantitative Study of Conflicts and the Environmental Impact Assessments of Energy Projects in Chile 2012–2017](#). *Sustainability*, 13(13).

Edited books

1. Urdinez, F. & **Cruz, A.** (eds.). (2020). [R for Political Data Science: A Practical Guide](#). CRC Press.
 - Reviewed in [Technometrics](#). • Open-source [Spanish version](#).

Teaching

Instructor

UT: [Methods Camp, PhD in Government](#) (co-taught with Matt Martin / Meiyang Xu) (x2; 2023, 24)

PUC and Universidad Diego Portales: [Programming for the Social Sciences](#) (x5; 2019–21)

Lab/Recitation Instructor

UT: Statistical Analysis in Political Science I/II (PhD). (AY 2023/24)

PUC: Quantitative Analysis II (PhD) (x2); Political Data Analysis (x2); Introduction to Political Theory. (2016–18)

Teaching Assistant

UT: Statistical Analysis in Political Science; Business and Society. (2021–22)

PUC: Environmental Ethics and Justice. (2016)

Service

UT: Methods Fellow, PhD in Government. (AY 2024/25).

- Held office hours, delivered tutorials, and organized events to bolster graduate students' methods skills.

Presentations

PolMeth (poster, 2024, 25); TexMeth (poster, 2022, 24, 25); SPSA (2024); APSA (2023); LAPolMeth (poster x4, 2019–22); Toronto Workshop on Reproducibility (2021); LatinR (2019); ACCP (2018).

Fellowships and Awards

UT University Graduate Continuing Fellowship (AY 2025/26)

UT Graduate School Excellence Fellowship (Summer 2025)

NSF ACCESS EXPLORE allocation (compute credits) (2025)

UT College of Liberal Arts Research Fellowship (Summer 2024)

UT Department of Government Pre-Dissertation Fellowship (Summer 2023)

PUC MA in Political Science, Ranked 1st in Cohort (2019)

Software

marginaleffectsJAX: a JAX backend for *marginaleffects*. [\[Github\]](#).

inexact: an RStudio addin to supervise fuzzy joins. [\[GitHub\]](#).

tesseractgt: an R package to generate ground truth data for Tesseract's OCR. [\[Github\]](#).

Miscellaneous

Programming: Advanced: R, Python, JavaScript, Unix. Intermediate: Julia, SQL.

Methods Training: EITM (2025), UCU Winter School (2018/19), IPSA-USP Summer School (2018).

Languages: Spanish, English, Portuguese (intermediate).

Reviewer: LatinR 2023–25.