Andy Carrizosa

[redacted] | [redacted]

EDUCATION

Rice University — **Houston, Tex**
- *Ph.D in Political Science* — Aug. 2021
- *Master of Arts in Political Science* — May 2018

Salamanca University (long-distance program: Spain) — **Asunción, Paraguay**
- *Master in Political Science* — Apr. 2015

University of Kansas — **Lawrence, Kan.**
- *Bachelor of Science in Journalism* — Dec. 2012
- *Bachelor of Arts in Political Science* — Dec. 2012

SKILLS

- **Fluent in Spanish and English.**
- **Advanced Python:** including pandas, statsmodels, matplotlib, scikit-learn.
- **Advanced R:** including Shiny, ggplot2, the Tidyverse, Quarto.
- **Quantitative methods**: including custom Bayesian modeling (Stan/JAGS), generalized and hierarchical linear models, item response theory, factor analysis/PCA.
- **Machine learning:** including feature engineering, preprocessing, model selection (linear, Random Forest, Gradient Boosting, etc.), hyperparameter tuning, and model interpretation.
- **Causal inference:** including matching, instrumental variables, difference-in-differences, and regression discontinuity design. Knowledge of Qualtrics.
- **Survey methods:** including sampling design, power analysis, vignettes, maxdiff, conjoint experiments, Alchemer, Qualtrics and Lucid sample marketplaces.
- **Qualitative methods** including participatory rural appraisals, focus groups, interviews, ethnographic research and qualitative coding using grounded theory.
- **Infrastructure:** including SageMaker, advanced SQL, AWS hosting, Git version control, and Linux (Debian/SUSE/Fedora).

WORK EXPERIENCE

ITTI — **Asunción, Paraguay**
Quantitative Researcher (Fully Remote) — Aug. 2025–Present
- Addressed problems for a wide range of companies inside the
- conglomerate. Worked with banking data (loans, credit cards),
- e-commerce data, ride-hailing and food delivery data.
- Served as the statistics/methods expert for the research team.
- Managed research projects and from end-to-end. Supervised
- project-by-project teams of 2-4 people.
- Created segmentations for food delivery and banking clients.
- These two segmentations became KPIs ingested in the data lake.
- Designed and fielded surveys, and analyzed results.

NewWorld.inc — **New York, NY**
Research Director (Fully Remote) — Jan. 2023–June 2025
- Managed survey research projects from end to end (design, fielding,

analysis) with the purpose of optimizing issue-advocacy messages for a wide range of topics such as reproductive rights, gender equality, renewable energy, judicial reform, and state legislative elections.
- Managed teams of 3-4 analysts and junior analysts.
- Created executable RShiny apps to empower no-code analysts to perform sophisticated statistical analyses.

Instituto Desarrollo **Asunción, Paraguay**
Research Director (Hybrid) July 2021–Jan. 2023
- Taught methods, R programming and political science classes.
- Managed a research team for a USAID project that sought to foment research skills in Paraguay and to assist local universities in placing academic publications.
- Coached 12 researchers in advancing their research projects. 3 researchers were published in regional journals.

Rice University **Houston, Tx.**
Research and Teaching Assistant Aug. 2016–Aug. 2021
- Taught a masters-level methods course.
- Scraped roll-call votes from Texas Legislature from 1836 to present.
- Performed observational analyses using hierarchical and generalized linear models and custom Bayesian models.
- Performed analyses using causal inference methods.

Fundación Paraguaya (Microfinance NGO) **Asunción, Paraguay**
Research Assistant July 2015–July 2016
- Assessed the validity/reliability of our poverty-measuring survey and recommended improvements.
- Coordinated a survey carried out in 23 cities across the country.
- Trained NGO employees to carry out 18 focus groups and 46 in-depth interviews across the country.
- Analyzed data with R and coded qualitative data with Dedoose.

PEER REVIEWED PUBLICATIONS

Carrizosa, Andrés. 2023. *Skewing Chaos: The Role of Political Parties in Paraguay's Legislature.* Switzerland: Springer Cham.

Carrizosa, Andrés. 2018. "Paraguay 2017: Political Competition in the Legislature, in the Streets, and in the Ballot Box" *Revista de Ciencia Política* 38 (2): 335-360.

WORKING PAPERS

Duarte, Raúl and Andrés Carrizosa. 2023. "Getting a Seat at the (electoral) Table: Partisan Poll Watchers and Electoral Bias." *APSA Preprints.*

CITIZENSHIP

United States, Paraguayan and Croatian citizen. Can work in the US, EU and Mercosur.