

Andrés Castro-Araújo

Data Scientist, Computational Social Scientist



Education

- 2019 • **Columbia University**
M.A. Quantitative Methods in the Social Sciences 📍 New York, NY, USA
Thesis: Ideal-point estimation of political ideology in Twitter networks
- 2016 • **Universidad del Rosario**
B.A. in Sociology 📍 Bogotá, Colombia
- 2015 • **Universidad del Rosario**
B.A. in Economics 📍 Bogotá, Colombia



Professional Experience

- Present | 2019 • **Data Scientist**
TBWA/Chiat/Day 📍 New York, NY, USA
I use diverse sources of information for a variety of tasks that include, but are not limited to, predictive modeling, natural language processing, data visualization, and rapid prototyping of data products using R Shiny.
- 2017 • **Research Assistant**
Columbia University 📍 New York, NY, USA
Collected, analyzed, and visualized publicly available data on corruption practices in Latin America. Supervised by professor Paul Lagunes.
- 2017 | 2015 • **Researcher**
Center for Law, Justice, and Society - Dejusticia 📍 Bogotá, Colombia
Conducted research on fiscal policy, taxes, and their role towards the advancement of socio-economic rights.
Wrote policy briefs that assessed the compliance of state parties to the United Nation's International Covenant on Economic, Social, and Cultural Rights.
- 2014 • **Public Policy Intern**
Department of National Planning 📍 Bogotá, Colombia
Assisted in a variety of public policy evaluations, using common causal inference techniques such as randomized controlled trials, matching on propensity scores, differences-in-differences, and instrumental variables.
- 2015 | 2011 • **Translator**
International Sociological Association 📍 Bogotá, Colombia
English to Spanish translator for *Global Dialogue*, the ISA's electronic magazine.

Contact Info

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Skills

Programming

- R
- Stan
- Python
- SQL



Data Analysis

- Regression Modeling
- Data Visualization
- Bayesian Statistics
- Social Network Analysis
- Causal Inference
- Machine Learning
- Natural Language Processing

Last updated on November 05, 2019.



Teaching Experience

- 2017 • **Economy & Society**
Universidad del Rosario  Bogotá, Colombia
- 2016 • **Introduction to Statistics**
Universidad del Rosario  Bogotá, Colombia



Selected Publications

- 2019 • **The Power behind Numbers: Statistical Visibility and Inequality in Colombia and the Dominican Republic**
Dejusticia Series (available in spanish [here](#))
Andrés Castro Araújo
- 2019 • **The State of Corruption in Latin America**
Baker Institute Report
Paul Lagunes, Xiaoxuan Yang & Andrés Castro Araújo
- 2019 • **Bridging the Gap: The Evolving Doctrine on ESCR and Maximum Available Resources**
The Future of Economic and Social Rights, Cambridge University Press
Rodrigo Uprimny, Sergio Chaparro H. & Andrés Castro Araújo
- 2017 • **Política fiscal y derechos humanos en Colombia: hacia una perspectiva integrada**
Revista de la Defensa Pública de la Ciudad de Buenos Aires
Sergio Chaparro H. & Andrés Castro Araújo