

# 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**  
M.S. in Sociology 📍 Bogotá, Colombia
- 2015 • **Universidad del Rosario**  
B.S. in Economics 📍 Bogotá, Colombia



## Professional Experience

- Present | 2019 • **Data Scientist**  
TBWA/Chiat/Day 📍 New York, NY, USA  
I use diverse sources of information (from Census data to online reviews) for a variety of tasks that include, but are not limited to, predictive modeling, text mining, 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.



## Teaching Experience

- 2016 • **Introduction to Statistics**

## Contact Info

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🐙 [github.com/acastroaraujo/](https://github.com/acastroaraujo/)  
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☎ +1 (718) 360-6862

## 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 2019-08-11.*

Universidad del Rosario

📍 Bogotá, Colombia

2017



**Economy & Society**

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 through Siglo XXI Editores)

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



**Fiscal policy and Human Rights in Colombia: Towards an integrated approach**

*Revista de la Defensa Pública de la Ciudad de Buenos Aires*

Sergio Chaparro H. & Andrés Castro Araújo