

# Curriculum Vitae

Rafael Campello de Alcantara

The University of Texas at Austin  
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<https://rafaelcalcantara.github.io/>

## Areas of interest

Causal inference, machine learning, bayesian statistics, structural econometrics, innovation economics, industrial organization

## Professional appointments

2024-present    Postdoctoral fellow  
The University of Texas at Austin  
McCombs School of Business

## Education

### Formal education

2020-2024    PhD in Business Economics  
Insper - Institute of Education and Research, São Paulo, Brazil  
Dissertation: A Constrained BART Model  
For Identifying Heterogeneous Treatment Effects  
In Regression Discontinuity Designs  
Advisor: Hedibert Freitas Lopes

2018-2020    MSc in Applied Economics  
Universidade de São Paulo, USP, São Paulo, Brazil  
Thesis: Estimation of the R&D Elasticity in Brazil:  
An Unobserved Common Factor Approach  
Advisor: Sérgio Kannebley Júnior

2013-2017    BA in Economics  
Universidade de Brasília, UnB, Brasília, Brazil  
Advisor: Andrea Felipe Cabello

### Complementary education

2024    Introduction to Python (4h)  
DataCamp, DataCamp, Inc.

2020    Introduction to SQL (4h)  
DataCamp, DataCamp, Inc.

2020    Introduction to Git (4h)  
DataCamp, DataCamp, Inc.

2017    Tutoring program in R (60h)  
Universidade de Brasília, UnB, Brasília, Brazil

2017    Introduction to R (4h)  
DataCamp, DataCamp, Inc.

# Experience

## Research

- 2023 Visiting scholar  
School of Mathematical and Statistical Sciences, Arizona State University  
Sponsor: Paul Richard Hahn
- 2022 Insper, São Paulo, Brazil  
Research Assistant  
Supervisors: Naércio Aquino Menezes Filho, Camila de Freitas Souza Campos
- 2016-2017 Universidade de Brasília, UnB, Brasil  
Member of the editorial board of the student journal “O Eco da Graduação”  
Coordinator: Andrea Felipe Cabello
- 2016-2017 Universidade de Brasília, UnB, Brasil  
Scientific initiation program: “Analysis of Net Neutrality Policies and their Impacts”  
Supervisor: Andrea Felipe Cabello

## Teaching

- 2023 Insper, São Paulo, Brazil  
Teaching assistant of Bayesian Econometrics  
Professor: Hedibert Freitas Lopes
- 2022 Insper, São Paulo, Brazil  
Teaching assistant of Bayesian Learning  
Professor: Hedibert Freitas Lopes
- 2019 Universidade de São Paulo, USP, São Paulo, Brazil  
Teaching assistant of Macroeconomics 1  
Professor: Rudinei Toneto Júnior
- 2019 Universidade de São Paulo, USP, São Paulo, Brazil  
Teaching assistant of Introduction to Macroeconomics  
Professor: Rudinei Toneto Júnior
- 2015 Universidade de Brasília, UnB, Brasília, Brasil  
Teaching assistant of Economic Formation of Brazil  
Professor: Flávio Rabelo Versiani

## Preprints/submitted

1. **ALCANTARA, R.**; WANG, M.; HAHN, P.R.; LOPES, H. Modified BART for Learning Heterogeneous Effects in Regression Discontinuity Designs

## Published papers

1. **ALCANTARA, R.** ; KANNEBLEY JR, S. Elasticidade de P&D na Indústria Brasileira e Transbordamentos - Uma abordagem de fatores comuns não-observados. *Economia Aplicada* (Accepted publication)
2. **ALCANTARA, R.** Análise de políticas de neutralidade de rede e seus impactos. *O Eco da Graduação*, v. 2, p. 63-73, 2017
3. CABELLO, A. F. ; **ALCANTARA, R.** ; GOMES, Y. C. ; WILBERT, M.D. ; RAMOS, A. A. ; GOMES, E. M. ; KUDIESS, G. ; SANTOS, A. ; CARNEIRO, C. A. B. D. ; RIBEIRO, P. V. A História das Origens do Departamento de Economia da Universidade de Brasília. *O Eco da Graduação*, v. 1, p. 1-19, 2016.

## Scientific Presentations

### Conference Talks

1. *Bayesian Additive Regression Trees For Regression Discontinuity Designs* (with Hedibert Lopes), 44th Meeting of the Brazilian Econometric Society, December 2022
2. *A Modified BART Prior for Regression Discontinuity Designs* (with Meijia Wang, P. Richard Hahn, Hedibert Lopes), NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, August 2023

## **Technical skills**

Advanced R, intermediate Stata, basic SQL, basic Python

## **Language**

Native Portuguese, fluent English