

Curriculum Vitae

Rafael Campello de Alcantara

Insper - Institution of Education and Research
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<https://rafaelcalcantara.github.io/>

Areas of interest

Impact evaluation, data science, machine learning, bayesian statistics, structural econometrics, innovation economics, industrial organization

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

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

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.

Technical skills

Advanced R, intermediate Stata, basic SQL, basic Python

Language

Native Portuguese, fluent English