

Galileu Kim

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SUMMARY

- Social scientist with 7+ years of experience in quantitative analysis and research
- Experience building ML algorithms and pipelines for large-scale ~~government programs~~
- Fast-learner, eager to collaborate on research projects that address real world problems

WORK EXPERIENCE

Data Scientist

July 2019 - Present

Elogroup (Brasilia, Brazil)

Analytics Team

- Develop new data pipeline and detection algorithm to reduce fraud in federal payroll system, increasing recovery rates by 40 percent on an annual 30+ billion dollars
- Predict vulnerable workers through a clustered classification technique using ML techniques, facilitating targeted governmental aid to 60+ million beneficiaries
- Deploy high-performance clusters (HPC) pipelines to analyze Big Data, using cloud-based technologies (Azure Databricks, PySpark) and production-level code (R, Python)
- Collaborate in an agile (SCRUM) development schedule, coordinating a data science team (5 members) to deliver projects subject to time constraints
- Communicate project design and findings to government stakeholders, translating insights into actionable strategies for senior officials, including the Secretary of Labor

RESEARCH EXPERIENCE

Graduate Researcher

September 2015 – Present

Princeton University (Princeton, NJ)

Research Program in Political Economy

- Analyze how corruption and patronage negatively impact public services in Brazil, using causal inference and statistical modeling on large-scale administrative data
- Complete 2-year quantitative analysis graduate training sequence, covering topics in causal inference, multivariate regression, NLP, Bayesian inference and ensemble models
- Lead instruction of 90+ students in advanced courses on causal inference, statistical modeling, and data transformation in R, with an average rating of 4.8/5.0
- Independently plan and conduct fieldwork in public schools, leading on-site interviews with 80+ local politicians, teachers and school principals over the course of 2 years
- Present research findings in panels at academic conferences, including the American Political Science Association Conference, the leading venue for political science research

EDUCATION

Princeton University (Princeton, NJ)

Expected December 2020

- Ph.D. in Political Science, GPA: 3.77/4.00
- Lassen Fellowship Recipient, awarded to 5 outstanding Latin American scholars.

University of Pennsylvania (Philadelphia, PA)

May 2013

- B.A. in Political Science and Economics, GPA: 3.85/4.00

TECHNICAL SKILLS

- **Statistical analysis:** causal inference, experimental design, machine learning
- **Data manipulation and visualization:** tidyverse, data.table, ggplot, pandas, seaborn
- **Statistical programming:** R, Python, SQL, PySpark, Azure Databricks.
- **Languages:** Portuguese, Spanish, French, Korean (proficient), German (proficient)

SELECTED CONFERENCE PRESENTATIONS

- **Panel**, American Political Science Association. "Governing through Patronage: Bargaining for Education in Decentralized Brazil." 2020
- **Panel**, American Political Science Association. "Are anti-corruption audits effective? Evidence from Brazilian Municipalities."
- **Panel Chairman**, Latin American Studies Association. "The Cost of Governing: Coalitional Politics and Bureaucratic Cohesion in Municipal Brazil." 2019

SELECTED PAPERS

- Iaryczower, Matias, Galileu Kim and Sergio Montero. "Representation Failure." Review and Resubmit at the American Journal of Political Science.
- Kim, Galileu. "Government through Patronage: Bargaining for Education in Decentralized Brazil."
- Ferrali, Romain and Galileu Kim. "Are anti-corruption audits effective? Evidence from Brazilian Municipalities."
- Kim, Galileu and James Mao. "Corporate Interests and Campaign Donations in Brazilian Municipalities."

AFFILIATIONS

- Brazilian Professionals Abroad, Brazil Lab, Princeton Latin American Graduate Student Association, Princeton Graduate Consulting Group

HONORS AND AWARDS

2019 Dissertation Fellow for the Program in Latin American Studies (\$13,500)
2018 Princeton Institute for International and Regional Studies Grant (\$2,500)
2018 Program in Latin American Studies Grant (\$2,500)
2015 Lassen Fellowship Summer Research Grant (\$2,500)
2013 Phi Beta Kappa honors society