GALILEU KIM

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Summary

I am committed to the agile development of large scale, data-driven solutions, while embracing an open-minded approach to their design. I partner with clients to implement end-to-end projects that can adapt to their evolving needs.

Skills

Expertise: statistical modeling, machine learning, agile development (SCRUM), decision analytics, data manipulation and visualization.

Programming: R, Python, SQL, PySpark, Databricks, Linux, Git, Stata.

Languages: Portuguese, Spanish, French, Korean (proficient), German (proficient)

Education

Princeton University (anticipated December 2020)
- Ph.D. in Political Science, Program in Political Economy

University of Pennsylvania
- B.A. in Political Science and Economics, *summa cum laude*

Work Experience

Data Scientist — July 2019 – Present
Elogroup — Brasilia, Brazil
- Lead an end-to-end redesign of the Brazilian federal government auditing system, increasing recovery rate by 40 percent on annual 150 billion BRL
- Create an employment vulnerability index of 60+ million unemployed workers for the Ministry of Finance, using clustering techniques (K-means)
- Partner with government clients, including Brazilian Secretary of Labor, to design relevant and sustainable solutions that are adaptable to clients' needs
- Implement projects in an agile environment (SCRUM), breaking down complex pipelines into modules which can deliver under time and resource constraints
- Develop projects in PySpark and Azure Databricks, producing open-source and reproducible code that can be used and improved upon by clients

Research

Graduate Researcher — September 2015 – Present
Princeton University — Princeton, US
- Estimate the effect of politically induced teacher turnover on student learning, using multilevel statistical modeling and regression techniques
- Conduct fieldwork in municipalities across Brazil, interviewing 80+ school staff and politicians to identify how political appointments operate
- Instructed 90+ students in advanced courses on statistical modeling, causal inference, and data wrangling in programming language R
- Present research in 5+ academic conferences, including the American Political Science Association, the leading venue for political science

Research Associate — July 2013 – May 2015
Instituto del Perú — Lima, Peru
- Co-authored with former president of Peruvian Central Bank a book on the economic and political development of poor municipalities in the Andes
- Documented 40+ personal accounts on subsistence farming, civil war trauma, immigration and entrepreneurship by marginalized populations (campesinos)
- Created a novel index of adoption of agricultural technologies in Peru, financed by the Food and Agriculture Organization (FAO)

Affiliations

Princeton Graduate Consulting Club, Brazil Lab, Latinx Graduate Student Association.

Awards

2019 Dissertation Fellow for the Program in Latin American Studies
2015 Lassen Fellowship (awarded to top incoming Latin American scholars)