Kivan Polimis

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Data scientist proficient in text as data methods, classification algorithms, and data visualization. Experience combining programmatic approaches to identify cost-effective strategies with diverse data.

Employment

2021–	Data Scientist, Karna, Atlanta, GA 30345
2021–	Lecturer, University of Washington, Department of Sociology, Seattle, WA 98195
2021–2021	Senior Policy Advisor, Office of Harris County Judge Lina Hidalgo, Houston, TX 77002

Created an automated health guidance system to inform policy decisions by integrating public health, surveillance, and administrative data. Co-chaired Harris County's American Rescue Plan Act Homelessness Working Group and lead development of $5.5 million permanent supportive housing program.

2020-	Principal, Atlas Analytics, Houston, TX 77087

Designed end-to-end data fusion approaches to perform market analysis, corporate valuations, and customer analytics. Client solutions merge diverse structured and unstructured data with statistical modeling and machine learning methods to analyze macro- and micro-trends and predict consumer behavior.

2018–2020	Data Scientist, MAANA, Houston, TX 77002

Optimized vessel scheduling by building machine-guided, user assisted micro-services to satisfy multiple shipping constraints. Produced baselining forensic analysis of historical trades and vessel utilization that projected nearly $100 million in annual savings through adoption of vessel optimization software.

2017-2018	Postdoctoral Researcher, Dondena Centre, Università Bocconi, Milan, Italy 20136

Modeled population dynamics such as migration and household formation by joining novel computational approaches, APIs, and administrative survey data.

2016–2017	Data Science Consultant, King County Auditor's Office, Seattle, WA 98104

Constructed predictive analytics that included demand projections and alternative-cost comparisons for Paratransit riders by analyzing Paratransit service's vehicle occupancy, deadhead time, and cost-per-trip. Forecasted $1.5 million in savings by relocating Paratransit bus depots and optimizing service mix.

Education

2017	Ph.D., Sociology, University of Washington

Center for Statistics and the Social Sciences: Certification in Social Statistics
Dissertation: Developing Computational Approaches to Investigate Health Inequalities
advised by: Hedwig Lee (co-chair), Kyle Crowder (co-chair), Emilio Zagheni, Ariel Rokem, and Darryl Holman

2012	M.A., Sociology, University of North Carolina at Chapel Hill

Carolina Population Center Pre-doctoral Fellow

2009	B.A., Sociology, Princeton University

Affiliations

2019–	Regional Affiliate, Center for the Study of Demography and Ecology, Seattle, WA 98105
2017–2018	Postdoctoral Affiliate, Bocconi Institute for Data Science and Analytics, Milan, Italy 20136

Software

2016	Rokem, Ariel, **Kivan Polimis**, and Bryna Hazelton.

"forest-confidence-interval: Confidence intervals for Forest algorithms"

Technical skills

Instructor	Software Carpentry Instructor, Data Carpentry Instructor
Software	R, Python, Spark, GraphQL, Docker, Jira, Stata, and Microsoft Office Suite
Tools	Git, LaTeX, shell scripting, Amazon Web Services Products, and Microsoft Azure Products