

# 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  
Led survey analysis for COVID-19 vaccine communications projects, developed web dashboards with automated data ingest pipelines to convert manual processes and make data access/analysis more practical. Architected NPI Precheck application from data procurement to constructing machine learning algorithms.
- 2021– Lecturer, University of Washington, [Department of Sociology](#), Seattle, WA 98195  
Lecture students remotely and provide training and mentoring to students as well as teaching assistants. Created curricula and course assessments; in Data and Society, we investigate how digital data is produced, collected, and analyzed by corporations/governments and the effects for individuals and institutions.
- 2021–2021 Senior Policy Advisor, Office of [Harris County Judge Lina Hidalgo](#), Houston, TX 77002  
Established 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
- 2012 M.A., Sociology, University of North Carolina at Chapel Hill  
Carolina Population Center Pre-doctoral Fellow
- 2009 B.A., Sociology, Princeton University

## Select Publications

- 2020 Alexander, Monica, **Kivan Polimis**, and Emilio Zagheni. “[Combining social media and survey data to nowcast migrant stocks in the United States](#)”. *Population Research and Policy Review*.
- 2020 Salganik, Matthew, Ian Lundberg, **et al.** “[Measuring the predictability of life outcomes with a scientific mass collaboration](#)”. *Proceedings of the National Academy of Sciences*

## 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