

# Kivan Polimis

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**Objective** Data scientist experienced in (un)supervised learning, natural language processing methods, and data visualization. Proven history integrating computationally-intensive approaches to analyze diverse data and identify cost-effective strategies within business processes.

## 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

2009 B.A., Sociology, Princeton University

## Employment

2018- Data Scientist, [MAANA](#), Houston, TX 77002  
Developed and integrated containerized GraphQL micro-services from several APIs into Vessel Scheduling Optimization Application. Designed classification algorithms to reduce supply chain order duplication.

2017-2018 Postdoctoral Researcher, [Dondena Centre](#), Università Bocconi, Milan, Italy 20136  
Modeled population dynamics such as migration behavior, family postponement, and political polarization by combining multiple APIs, natural language processing methods, and administrative survey data.

2017-2017 [Program Coordinator](#), eScience Institute, Data Science for Social Good, Seattle, WA 98195  
Organized Data Science for Social Good (DSSG) activities/tutorials, assembled the DSSG teams, and interacted regularly with teams and stakeholders to support project success.

2017-2017 Civic Technology Fellow, Microsoft, Civic Technology and Engagement, Seattle, WA 98104  
Prototyped the [Legal Financial Obligations \(LFO\) Calculator](#) for Washington Courts. Captured legal information and judicial process to develop a web application for standardized LFOs statewide.

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.

## 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

## Selected Publications

2019 Alexander, Monica, **Kivan Polimis**, and Emilio Zagheni. "[The impact of Hurricane Maria on out-migration from Puerto Rico: Evidence from Facebook](#)". *Population and Development Review*

2019 Filippova, Anna, Connor Gilroy, Ridhi Kashyap, Antje Kirchner, Allison C. Morgan, **Kivan Polimis**, Adaner Usmani, and Tong Wang. "[Humans-in-the-Loop: Incorporating Expert and Crowdsourced Knowledge for Predictions in Survey Data](#)". *Socius*.

## Software

2017 **Polimis, Kivan** "[yandex-translator](#): R package to interface with the Yandex Translate API"

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, GraphQL, Docker, Jira, CircleCI, Stata, Microsoft Office Suite, and Google G Suite

Tools Git,  $\text{\LaTeX}$ , bash, select Amazon Web Services Products, and select Microsoft Azure Products