

# 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 in order to identify cost-effective strategies and model user behavior.

## 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

2017-2018 Postdoctoral Researcher, Bocconi University  
Postdoctoral Affiliate, [Bocconi Institute for Data Science and Analytics](#), Milan, Italy 20136  
Modeled population dynamics such as migration behavior, family postponement, and political polarization with the combination of multiple APIs (e.g., Zillow, Twitter, and Facebook), computational methods, natural language applications, and administrative data (e.g., US Census/American Community Survey).

2017-2017 [Program Coordinator](#), eScience Institute, Data Science for Social Good, Seattle, WA 98195  
Assembled the Data Science for Social Good (DSSG) teams, planned and scheduled DSSG activities/tutorials, and interacted regularly with project teams.

2017-2017 Civic Technology Fellow, Microsoft, Civic Technology and Engagement, Seattle, WA 98104  
Prototyped and designed Legal Financial Obligations (LFO) Calculator for Washington State Courts. Captured relevant legal documentation and information on judicial process to develop a web application tool that contains a library's worth of knowledge while presenting only what matters in an individual case.

2016-2017 Data Science Consultant, King County Auditor's Office, Seattle, WA 98104  
Analyzed Paratransit service's vehicle occupancy, deadhead time, and cost per trip to create predictive analytics that included demand projections and cost alternative comparisons for Paratransit riders.

2014-2014 Product Development Consultant, Seremedi, Houston, TX 77002  
Designed chronic illness databases for our patient-centric mobile app prototype that integrated vital patient health content and allowed patients to better understand the relationship between their current physical well-being, treatment plans, and their chronic conditions.

## Software

2017 **Polimis, Kivan** "[yandex-translater](#): 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, C++, Spark, and Stata

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