

Kivan Polimis

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Data scientist experienced in Natural Language Processing methods, machine learning algorithms, and data visualization. Proven history integrating computationally-intensive approaches to analyze diverse data and identify cost-effective strategies for business processes.

Employment

- 2020– Data Scientist, Atlas Analytics, Houston, TX 77087
Design highly targeted campaigns by applying topic model clusters to large, unstructured social media datasets. Examine trends and user preferences in real estate and hair care industry leveraging topic modelling, IBM’s Watson NLP service, and machine learning classification methods to segment consumers.
- 2018–2020 Data Scientist, [MAANA](#), Houston, TX 77002
Optimized vessel scheduling by using machine-guided, user assisted methods to satisfy multi-dimensional constraints with integrated containerized GraphQL micro-services. Reduced naming duplication in siloed company databases by using natural language processing methods to determine word similarity.
- 2017–2018 Postdoctoral Researcher, [Dondena Centre](#), Università Bocconi, Milan, Italy 20136
Created multi-dimensional big data environment to model population dynamics such as migration behavior, family postponement, and political polarization by combining multiple APIs, natural language processing methods, and administrative survey data for analysis on a high-performance computing cluster.
- 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.

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

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

- 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, Docker, Jira, Stata, TensorFlow, and Microsoft Office Suite
- Tools Git, \LaTeX , shell scripting, Amazon Web Services Products, and Microsoft Azure Products