Kivan Polimis

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Proficient in text as data methods, classification algorithms, and data visualization. Experience combining statistics, diverse data, and programming to identify cost-effective strategies. Adept at applying software development frameworks and strategic management principles.

Employment

2021– Data Scientist, Karna, Atlanta, GA 30345
* Designed applications that integrate machine learning algorithms for enhanced healthcare operations.
  + high-risk patient models reduced costs by approximately 10%.
* Automated monthly project reporting, saved 40 hours of analyst time.
* Led cross-functional teams from organizing strategic roadmaps to meeting project milestones.
Awards: 2023 President's Award, 2023 Technical Achievement Award, 2022 Community Engagement Award

2021– Lecturer, University of Washington, Department of Sociology, Seattle, WA 98195
* Lectured remotely on data science topics (e.g., Algorithmic Bias, AI Ethics, Data Visualization).
* Designed curricula and assessments focused on producing, collecting, and analyzing digital trace data.

2021–2021 Senior Policy Advisor, Office of Harris County Judge Lina Hidalgo, Houston, TX 77002
* Implemented county-wide initiatives by collaborating intra-government and with private sector.
  + estimated $6 million annual savings from permanent supportive housing proposals.
* Developed automated COVID-19 reporting that diminished run time by 90% and improved data quality.

2020- Principal, Atlas Analytics, Houston, TX 77087
* Applied statistical modeling and NLP to increase referral conversion approximately 20%.
* Engineered data fusion approaches for market analysis, corporate valuations, and customer analytics.
* Architected cloud computing solutions for scalable data processing and analysis.

2018–2020 Data Scientist, MAANA, Houston, TX 77002
* Optimized with machine learning micro-services for addressing dynamic shipping constraints.
  + vessel optimization software cut route planning from hours to minutes.
* Conducted cost baseline analysis of historical trades forecasting $100 million annual savings.

2016–2017 Program Manager, eScience Institute, Data Science for Social Good, Seattle, WA 98195
* Organized program resources, created rigorous student selection process, and scheduled activities.
* Coordinated with industry partners to incorporate real-world data science challenges into projects.

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