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## Kivan Polimis

### Employment

- 2021– Data Scientist, [Karna](#), Atlanta, GA 30345  
2021– Lecturer, University of Washington, [Department of Sociology](#), Seattle, WA 98195  
2021–2021 Senior Policy Advisor, Office of [Harris County Judge Lina Hidalgo](#), Houston, TX 77002  
2020– Principal, Atlas Analytics, Houston, TX 77087  
2018–2020 Data Scientist, [MAANA](#), Houston, TX 77002  
2017–2018 Postdoctoral Researcher, Università Bocconi, Milan, Italy 20136  
[Carlo F. Dondena Centre for Research on Social Dynamics and Public Policy](#)

### 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  
Carolina Population Center Pre-doctoral Fellow  
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

### Fellowships

- 2017 Summer Institute in Computational Social Science Fellow,  
Russell Sage Foundation and Princeton University, Princeton, NJ 08544  
2017 Civic Technology Fellow, Microsoft, Civic Technology and Engagement, Seattle, WA 98104  
2016 Pre-doctoral Fellow, Big Data-Scientist Training Enhancement Program,  
Department of Veteran Affairs, Puget Sound Healthcare, Seattle, WA 98108  
2015 Data Science for Social Good Fellow, eScience Institute, Seattle, WA 98195  
2011 Graduate Research Fellow, National Science Foundation,  
Graduate Research Fellowship Program, Arlington, VA 22230  
2010 Pre-doctoral Fellow, Carolina Population Center,  
University of North Carolina at Chapel Hill, Chapel Hill, NC 27516  
2008 Junior Summer Institute Fellow, Public Policy and International Affairs,  
Carnegie Mellon University, Pittsburgh, PA 15213

### 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”

## 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, Alexander T. Kindel, Caitlin E. Ahearn, **et al.** “[Measuring the predictability of life outcomes with a scientific mass collaboration](#)”. *Proceedings of the National Academy of Sciences*
- 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*.
- 2017 **Polimis, Kivan**, Ariel Rokem, and Bryna Hazelton. “[Confidence Intervals for Random Forests in Python](#)”. *Journal of Open Source Software*, 2(19), 124.
- 2015 Marsh, Kris and **Kivan Polimis**. “The Lifecourse Perspective in Explaining Racial Residential Segregation.” Chapter 4 in *Race, Space and Exclusion: Segregation and Beyond in Metropolitan America*, edited by Robert Adelman and Christopher Mele. New York: Routledge.
- 2014 Turner, Robert W., Asheley Skinner, Eliana Perrin, **Kivan Polimis**, and Tamera Coyne-Beasley. “High School Sports Participation: Risk and Protective Factors for Early Adulthood Physical Activity and Obesity in a Representative Longitudinal Study”. *Journal of Adolescent Health*, 54 (2, Supplement).

## Presentations

- 2022 “Introduction to Application Programming Interfaces”. Public Health Data Workshop: Harris County Public Health. Houston, TX. April
- 2019 “Combining Facebook and traditional surveys: A case study with Hurricane Maria and Puerto Rican out-migration” (with Emilio Zagheni, Monica Alexander, Ingmar Weber, and Francesco Billari). Center for Statistics and the Social Sciences: University of Washington. Seattle, WA. April
- 2019 “The impact of Hurricane Maria on out-migration from Puerto Rico: Evidence from Facebook data” (with Monica Alexander and Emilio Zagheni). Population Association of America. Austin, TX. April
- 2018 “Humans-in-the-Loop: Incorporating Expert and Crowdsourced Knowledge for Predictions in Survey Data” (with Anna Filippova, Connor Gilroy, Ridhi Kashyap, Antje Kirchner, Allison C. Morgan, Adaner Usmani, and Tong Wang). International Institute for Social Studies: Erasmus University. The Hague, The Netherlands. April
- 2018 “Can social media assess demographic variations in physical activity attitudes?” Young Demographers Conference. Prague, Czech Republic. February.
- 2018 “Comparing typological approaches to family homelessness” Alpine Population Conference. La Thuile, Italy. January.
- 2017 “Can social media be used to assess demographic variations in physical activity attitudes?” Paper presentation. Population Association of America. Chicago, IL. April.
- 2017 “Social Media and Demographic Methods” (with Emilio Zagheni and Lee Fiorio). Workshop at the Population Association of America. Chicago, IL. April.
- 2016 “Web, Social Media Data and Demographic Research Workshop: Twitter Module” (with Emilio Zagheni and Monica Alexander). [Workshop at the European Population Conference](#). Mainz, Germany. August.

- 2016 "Social Media and Demographic Methods Workshop: Twitter Module"  
 (with Emilio Zagheni, Nina Cesare, Charles Lanfear, and Joan Ryan).  
[Workshop at the Population Association of America](#). Washington, D.C. April.
- 2012 "Junk in the Trunk: Evaluating the Relationship between Body-Mass Index and Interracial Dating". Add Health Users Conference. Bethesda, MD. July.
- 2011 "Adolescent Experiences & Adult Neighborhood Attainment"  
 (with Kris Marsh and Kyle Crowder). [Paper presentation](#).  
[Population Association of America](#). Washington, D.C. April.

## **Teaching experience**

- 2021– University of Washington, [Department of Sociology](#)  
 Data and Society (SOC 225)
- 2016 University of Washington, Center for Statistics and the Social Sciences ([CSSS](#))  
 Quantitative Techniques in Sociology (CSSS 507/SOC 506 - Graduate Teaching Assistant)
- 2015 University of Washington, [Department of Sociology](#)  
 Applied Social Statistics I & II (SOC 504 & SOC 505 - Graduate Teaching Assistant)

## **Consulting and management experience**

- 2017–2017 [Program Coordinator](#), eScience Institute, Data Science for Social Good, Seattle, WA 98195
- 2016–2017 Consultant, King County Auditor's Office, Seattle, WA 98104
- 2016–2016 Consultant, [eScience Institute](#), Data Science for Social Good, Seattle, WA 98195
- 2014–2014 Product Development Consultant, Seremedi, Houston, TX 77002
- 2013–2014 Special Projects Manager, Councilman Ed Gonzalez, Houston City Council,  
 Houston, TX 77002

## **Research positions**

- 2016–2017 Research Assistant, [Center for the Study of Demography and Ecology](#), Seattle, WA 98195
- 2016–2016 Research Assistant, [Center for Evaluation and Research for STEM Equity](#), Seattle, WA 98195
- 2015–2016 Research Assistant, eScience Institute, [Gates Foundation](#), Seattle, WA 98195
- 2013–2014 Data Analyst, [San Francisco 49ers](#), Santa Clara, CA 95054
- 2009–2010 Research Assistant, [Office of Population Research](#), Princeton, NJ 08544

## **Professional service**

- Member American Sociological Association, Population Association of America, International Union for the Scientific Study of Population, Cascadia Urban Analytics Cooperative, Association for the Advancement of Artificial Intelligence
- Refereeing *Population Research and Policy Review*, *Population and Environment*, *Social Forces*, *Socius*, *Urban Affairs*

## **Media and Awards**

- 2023 [Karna - President's Award](#)
- 2023 [Karna - Technical Achievement](#)
- 2022 [Karna - Community Engagement](#)
- 2018 [Online calculator to help tackle disparities in the criminal justice system in Washington state](#)
- 2017 [My eScience Experience](#)
- 2017 [GitHub for Collaboration](#)
- 2016 [Legal Financial Obligations](#)
- 2015 [Budding UW Data Scientists Use Their Powers for Social Good](#)

2015            UW students put data science skills to use for social good

## Technical skills

Instructor    Software Carpentry Instructor, Data Carpentry Instructor

Software      R, Python, Spark, GraphQL, Docker, Jira, Stata, and Microsoft Office Suite

Tools          Git, L<sup>A</sup>T<sub>E</sub>X, shell scripting, Amazon Web Services Products, and Microsoft Azure Products

## Volunteer experience

2023–         Communications Vice Chair, Princeton Alumni Association of Houston

## References

Kyle Crowder, Professor, University of Washington, [kylecrow@uw.edu](mailto:kylecrow@uw.edu)

Emilio Zagheni, Managing Director, Max Planck Institute for Demographic Research,  
[office-zagheni@demogr.mpg.de](mailto:office-zagheni@demogr.mpg.de)

Sarah Stone, Executive Director, eScience Institute, University of Washington, [sstone3@uw.edu](mailto:sstone3@uw.edu)