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Kivan Polimis

Employment

2020–	Senior Data Scientist, 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
	Comprehensive Exams: Stratification and Inequality, Race and Ethnicity
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	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).

Research in progress

Zagheni, Emilio, **Kivan Polimis**, Monica Alexander, Ingmar Weber, and Francesco Billari. "Combining Social Media Data and Traditional Surveys to Estimate and Predict Migration Stocks"

Polimis, Kivan. "Junk in the Trunk: Evaluating the Relationship between Body-Mass Index and Inter-racial Dating"

Presentations

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

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   Volunteer 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 *Social Forces*, *Socius*, *Urban Affairs*, *Population and Environment*

Media

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

References

Kyle Crowder, Professor, University of Washington, kylecrow@uw.edu

Hedy Lee, Professor, University of Washington-Saint Louis, hedwig.lee@wustl.edu

Sarah Stone, Executive Director, eScience Institute, University of Washington, sstone3@uw.edu