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# Kivan Polimis

## Education

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|---|---|
| 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** |

## Appointments

| | |
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| 2017 | Postdoctoral Researcher |
| | Carlo F. Dondena Centre for Research on Social Dynamics and Public Policy |
| | Postdoctoral Affiliate, Bocconi Institute for Data Science and Analytics |

## Fellowships

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|---|---|
| 2017 | Fellow, Summer Institute in Computational Social Science, |
| | 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 |

## Publications

**Polimis, Kivan**, Ariel Rokem, and Bryna Hazelton. 2017. "Confidence Intervals for Random Forests in Python". *Journal of Open Source Software*, 2(19), 124, doi:10.21105/joss.00124.

Marsh, Kris and **Kivan Polimis**. 2015. "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.

Turner, Robert W., Asheley Skinner, Eliana Perrin, **Kivan Polimis**, and Tamera Coyne-Beasley. 2014. "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).

## Software

**Polimis, Kivan**. 2017. "yandextexttranslater: R package to interface with the Yandex Translate API". Rokem, Ariel, **Kivan Polimis**, and Bryna Hazelton. 2016. "forest-confidence-interval: Confidence intervals for Forest algorithms".

## Papers under review or in progress

Filippova, Anna, Connor Gilroy, Ridhi Kashyap, Antje Kirchner, Allison C. Morgan, **Kivan Polimis**, Adaner Usmani, and Tong Wang. 2018. "Humans in the Loop: Incorporating Expert and Crowdsourced Knowledge for Prediction in Social Science". *Socius* (accepted pending revisions)
**Polimis, Kivan**. "Can Social Media Assess Demographic Variations in Physical Activity Attitudes?" *Demographic Research* (under review)
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 Interracial Dating"

## Professional service

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| 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 |
| Reviewer | *Social Forces*, *Socius*, *Urban Affairs* |

## Participation in professional meetings and colloquia

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| 2018 | "Humans in the Loop: Incorporating Expert and Crowdsourced Knowledge for Prediction in Social Science" with (Anna Filippova, Connor Gilroy, Ridhi Kashyap, Antje Kirchner, Allison C. Morgan, Adaner Usmani, and Tong Wang). Dondena Research Seminar. February. |
| 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. |
| 2018 | "Using Facebook data for demographic research on family statuses" (with Francesco Billari) Global Family Change Workshop. Oxford University. Oxford, United Kingdom. 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). |
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| | 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) |
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| | 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 |
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| 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 |
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| 2016–2016 | Research Assistant, Center for Evaluation and Research for STEM Equity, Seattle, WA 98195 |
| 2015–2016 | Research Assistant, eScience Institute, Gates Foundation Homelessness Data Solutions Workgroup, 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 |

## Media

| 2017 | GitHub for Collaboration |
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| 2015 | Budding UW Data Scientists Use Their Powers for Social Good |

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| 2015 | [UW students put data science skills to use for social good](#) |

## Technical skills

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| Instructor | [Software Carpentry Instructor](#), [Data Carpentry Instructor](#) |
| Software | R, Python, and Stata |
| Tools | Git, LaTeX, bash, select Amazon Web Services, and select Microsoft Azure Products |