

Timothy A. Thomas, Ph.D.

Postdoctoral Fellow

August 1, 2019

Department of Sociology
eScience Institute
University of Washington

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APPOINTMENTS

2017 - present **University of Washington**
Moore-Sloan & Washington Research Data Science Postdoctoral Fellow,
Sociology & The eScience Institute

EDUCATION

2017 **University of Washington**
Ph.D., Sociology
Dissertation: "Forced Out: Race, Market, & Neighborhood Dynamics of Evictions"
Committee: Kyle Crowder (Chair), Stewart Tolnay, Nathalie Williams, &
Thaisa Way (GSR)
Exam Topics: Residential Segregation, Neighborhood Mobility, Gentrification,
Neighborhood Crime, Social Disorganization, & Spatial Methods
Minor: Demographic methods & spatial statistics

2013 **University of Washington**
M.A., Sociology
Thesis: "Revisiting Crime Hot-Spot Interventions: Displacement, Longevity, and
Neighborhood Impacts."

2009 **University of Washington**
B.A., Sociology
Honor's Thesis: "Seattle's Martin Luther King, Jr. Way: A 40 Year Reflection
on a Dream."

RESEARCH & TEACHING INTERESTS

Urban Sociology, Race & Ethnicity, Neighborhood Change, Residential Segregation, Housing & Poverty, Residential Mobility, Social Organization, Data Science, Statistics, & Spatial Demography

PEER-REVIEWED PUBLICATIONS

- Lanfear, Charles C., Lindsey R. Beach, and **Timothy A. Thomas**. 2018. "Formal Social Control in Changing Neighborhoods: Racial Implications of Neighborhood Context on Reactive Policing." *City & Community*, 17:4. doi: 10.1111/cico.12346.
- Williams, Nathalie E., **Timothy A. Thomas**, Matthew Dunbar, Nathan Eagle, and Adrian Dobra. 2015. "Measures of Human Mobility Using Mobile Phone Records Enhanced with GIS Data." *PLoS ONE*, 33. doi:10.1371/journal.pone.0133630

UNDER REVIEW

- Thomas, Timothy A. "Eviction Enumeration: Neighborhood Dynamics and Bayesian Ecological Inference on Court Filings"

MANUSCRIPTS IN PROGRESS

- Thomas, Timothy A. "Eviction Ecology: Neighborhood Change and Extra-Local Effects."
- Thomas, Timothy A., Ott Toomet, Ian Kennedy, and Alex Ramiller. "Eviction Patterns Amidst Regional Population Migration."
- Thomas, Timothy A. and Michael Babb. "Neighborhood Change & Displacement: Re-imagining the Concentric Zone Theory to Measure Migration from Gentrification."
- Thomas, Timothy A. and Michael Esposito. "Health & Racial Neighborhood Segregation: A Multi-City Comparison."
- Thomas, Timothy A. and Ryan Gabriel. "Segregation within Integration: Exploring Micro-Level Segregation in Seattle's Integrated Tracts Using Spatial & Qualitative Analysis."
- Thomas, Timothy A. "Revisiting Crime Hot-Spot Interventions: Displacement, Longevity, & Neighborhood Impacts."

FELLOWSHIPS, GRANTS, & AWARDS

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| 2017-2020 | Moore/Sloan Data Science and Washington Research Foundation Innovation in Data Science Postdoctoral Fellowship. <i>University of Washington</i> (\$220,000) |
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2019	Raikes Foundation Grant for Research on Youth and Young Adult Eviction and Homelessness. <i>Seattle, WA (\$5,000)</i>
2018-2019	Enterprise Community Partners Washington State Evictions Research Seed Grant. <i>Seattle, WA (\$4,000)</i>
2015-2019	Center for Studies in Demography and Ecology Travel Grant, <i>University of Washington (\$3,000)</i> .
2016	Center for Studies in Demography and Ecology Best Poster Award, "Neighborhood Change and Racial Dynamics of Complainants, Suspects, & Arrestees." <i>University of Washington</i> . (with Lindsey R. Beach and Charles Lanfear).
2015	West Coast Poverty Center Research Seed Grant, <i>University of Washington (\$10,000)</i> .
2012-2015	National Science Foundation Graduate Research Fellowship. <i>University of Washington (\$105,000 + tuition)</i>
2011	Advanced Spatial Analysis Workshop Grant, <i>Pennsylvania State University (\$600)</i>
2009	Mary Gates Research Scholarship, <i>University of Washington (\$3,000)</i>
2009	Graduated with Honors, Sociology, <i>University of Washington</i>

PUBLIC SCHOLARSHIP

2019	Report. "The State of Evictions." A public report on eviction disparities that helped Senate Bill 5600 become law during the 2019 Washington State Legislative Session, Olympia, WA. (https://evictions.study)
2018	Report. "Neighborhood Demographics, Zoning, & Hate Crime Report." A report commissioned by Seattle Council Member Lisa Herbold that identified increases in racial and LGBTQ hate crimes in the city, Seattle, WA. (Link to the report)

INVITED PRESENTATIONS

2019	"Evictions & Gentrification." Plenary chaired by Matthew Desmond on the Causes and Consequences of Eviction, The 2019 Annual Meeting for the Association for Public Policy Analysis & Management, Denver, CO.
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- 2019 "The State of Evictions During the Affordability Crisis." The 2019 Housing Washington Annual Conference, Spokane, WA.
- "Contemporary Consequences of Redlining and Residential Segregation." King County Council, Seattle, WA.
- "Neighborhood Demographics, Zoning, and Hate Crime Report." Seattle City Council, Seattle, WA.
- "The State of Evictions During the Affordability Crisis: Measuring Prevalence and Disparate Impact through Machine Learning on Court Records." University of Pennsylvania & University of Oxford Symposium on Affordable Housing in the Advanced Economies, Oxford, UK.
- "The State of Evictions in Washington." Seattle City Council, Seattle, WA.
- "Housing, Segregation & Mobility in Washington State: The Impact of Policies, Economics, & Evictions." Expert Testimony for the Washington State Senate Housing Stability & Affordability Committee, Olympia, WA.
- 2018 "Segregation & Mobility in Washington State: The Impact of Policies, Economics, & Evictions." Expert Testimony for the Washington State House of Representatives Community Development, Housing, & Tribal Affairs Committee, Olympia, WA.
- "Forced Evictions, Neighborhood Change, & Race: From Jim Crow to Gentrification." The City of Seattle's Office of Arts & Culture, Seattle, WA.
- "Eviction Ecology." Department of Sociology, University of Texas, Austin, TX.
- 2017 "Race, Place, & Evictions." School of Social Transformations, Arizona State University, Tempe, AZ.
- 2016 "Racial and Gender Estimations of Unlawful Detainers." Northwest Civil Rights Legal Conference, Portland, OR.
- "Are Diverse Neighborhoods Truly Integrated? Micro-segregation in Seattle." Open Seattle: Technology for Civic Engagement, Socrata, Seattle, WA.
- 2015 "Segregation within Integration: Exploring Micro-level Segregation in Seattle's Integrated Tracts." The Center for Studies in Demography and Ecology Seminar, University of Washington, Seattle, WA.
- 2014 "Segregation within Integration: Exploring Micro-level Segregation in Seattle's Integrated Tracts." Department of Sociology, Seattle Pacific University, Seattle, WA.

- 2014 "Hidden Segregation: Dis-Aggregating Tract-level Stratification Using Spatial and Qualitative Methods." Department of Sociology, University of Washington, Seattle, WA.
- "Measuring Mobility Using Cell Phone Call Data Records: Developing Big Data for Demographic Science." The Center for Studies in Demography and Ecology, University of Washington, Seattle WA.
- 2013 "Does Crime Move?: Quantifying Crime Displacement After a Hot-Spot Intervention." The Center for Studies in Demography and Ecology, University of Washington, Seattle, WA.
- 2012 "Does Crime Move? Quantifying Crime Movement After Hot-Spot Operations." Department of Sociology, University of Washington, Seattle, WA.
- 2010 "Mapping Inequality." Annual Urban Poverty Forum, Town Hall, Seattle WA.

CONFERENCE PRESENTATIONS

- 2019 "The State of Evictions During the Affordability Crisis: Measuring Prevalence and Disparate Impact through Machine Learning on Court Records." The American Sociological Association Community and Urban Sociology Section Pre-Conference, New York University Wagner School of Public Service, New York, NY. (presentation)
- 2018 "Eviction Ecology: Local and Extra-local Neighborhood Effects." American Sociological Association Annual Meeting, Philadelphia, PA. (presentation)
- "Neighborhood and Demographic Disparities in Evictions: Using Spatial Analysis and Bayes Estimation to Define a Previously Unknown Population in King County, WA." Population Association of America, Denver, CO. (presentation)
- "Health & Racial Neighborhood Segregation: A Multi-City Comparison." Population Association of America Annual Meeting, Denver, CO. (poster presentation with Michael Esposito)
- 2017 "Forced Out: Race, Market, and Neighborhood Dynamics in Evictions." American Sociological Association Annual Meeting, Montreal, QC. (presentation)
- 2016 "Neighborhood Change and Racial Dynamics of Complainants, Suspects, & Arrestees." American Sociological Association Annual Meeting, Seattle, WA. (presentation with Lindsey R. Beach and Charles Lanfear)

- 2016 "Segregation in Place: Aging, Age-Dependent Mobility, and Long-Term Racial Succession." Population Association of America Annual Meeting, Washington D.C. (presented by Michael Bader)
- "Neighborhood Change and Racial Dynamics of Complainants, Suspects, & Arrestees." Poster presentation at the Annual Meeting of the Population Association of America, Washington D.C. (poster with Lindsey R. Beach and Charles Lanfear)
- 2015 "Segregation within Integration: Exploring Micro-level Segregation in Seattle's Integrated Tracts." Population Association of America Annual Meeting, San Diego, CA. (presentation with Ryan Gabriel)
- 2014 "Measuring Mobility Using Cell Phone Call Data Records: Developing Big Data for Demographic Science." Population Association of America Annual Meeting, Boston, MA. (presentation with Nathalie Williams, Matt Dunbar, Nathan Eagle, & Adrian Dobra)
- "Spatial Methods for Quantifying Crime Displacement: Measuring Crime Movement After a Hot-Spot Policing Intervention." Population Association of America Annual Meeting, Boston, MA. (poster).
- 2013 "Spatially Defined Measures of Mobility." eScience Big Data Colloquium, University of Washington, Seattle, WA. (poster with Nathalie Williams).
- 2011 "Seattle's MLK Way: A Spatial Comparison of MLK Residents From 1980-2000." The Pacific Sociological Association, Seattle, WA. (presentation).
- 2009 "Seattle's Martin Luther King, Jr. Way: A 40 Year Reflection on a Dream." Sociology Undergraduate Research Symposium, University of Washington, Seattle, WA. (presentation).

RESEARCH EXPERIENCE

- 2018-present Principal Researcher, "The State of Evictions: Measuring Prevalence & Racial Disparities." The eScience Institute, Dept. of Sociology, & the Cascadia Urban Analytic Collective, University of Washington, Seattle, WA.
- 2017-present Researcher, "Housing Insecurity Longitudinal Database: Merging Public Housing & Homelessness Data." eScience Institute, Seattle, WA.
- 2017-2018 Principal Researcher, "Quantifying Displacement: Neighborhood Change & Migration in the Puget Sound Region." Cascadia Urban Analytic Collective, University of Washington, Seattle, WA.

2017-2018	Researcher, "Hate Crimes and Micro-segregation." The City of Seattle Auditor's Office.
2016-2017	Program Coordinator, The UW Homelessness Initiative, Urban@UW, University of Washington.
2015-2016	Research Assistant, "Migration Patterns of Seattle and King County's Public Housing Recipients." Kyle Crowder, University of Washington.
2015	Research Assistant & Consultant, Center for Studies in Demography and Ecology, Matthew Dunbar, University of Washington.
2015	Research Assistant, "Spatial Analysis of Seattle Alcohol and Marijuana Citations." Katherine Beckett, University of Washington.
2015	Research Assistant, "Mapping Legal Financial Obligations and Stratification." Alexis Harris, University of Washington.
2012	Spatial Analyst, "Koreans and Korean Americans in the Pacific Northwest Project." Korean American Historical Society and the Wing Luke Museum, Seattle WA.
2011	Research Assistant, "Spatial Crime Data Collection at the Center for Studies in Demography and Ecology." Matthew Dunbar, University of Washington.
2011	Research Assistant, Southern Migration Linkage Project, Stewart Tolnay, University of Washington.
2010	Research Assistant, "Royal Navy Mutiny Research." Steve Pfaff, University of Washington.
2010	Research Assistant, Spatial Demographic Data Collection for Seattle, Center for Studies in Demography and Ecology, Matt Dunbar, University of Washington.
2008-2011	Research Assistant, The Lynching Database, Stewart Tolnay, University of Washington.

CONSULTATION

2019	Consultant, "Links Between Youth and Young Adult Homelessness and Evictions." Raikes Foundation, Legal Council for Youth and Children, and the Housing Justice Project, Seattle, WA.
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2018-2019	Consultant, "The Creative Economy & Artist Displacement in the Puget Sound" City of Seattle Arts & Culture Office, Seattle, WA.
2016-2017	Consultant & Expert Witness, "Racial and Gender Disparities in Evictions." ACLU & The Northwest Justice Project, Washington State.
2016-2017	Consultant, "Spatial Patterns of Homeless Encampments." The City of Seattle Mayor's Office, Seattle, WA.

TEACHING

2016	Instructor, Undergraduate Research Practicum, "Mapping mobility patterns of Seattle and King County Public Housing Residents 2004-2016." University of Washington.
2015	Instructor, Spatial Epidemiology Workshop, University of Nairobi, Kenya. Instructor, Introduction to GIS for Health Researchers, University of Washington (online course).
2014	Co-Instructor, Urban Sociology, University of Washington.
2012	Teaching Assistant, Criminology, University of Washington. Teaching Assistant, Sociological Methods, University of Washington.
2011	Teaching Assistant, Sociological Methods, University of Washington. Co-Instructor, Visual Sociology, University of Washington.
2010	Co-Instructor, Visual Sociology, University of Washington.

MEMBERSHIP & SERVICE

2012-present	Population Association of America
2013-present	American Sociological Association
2017-present	Cascadia Urban Analytic Collective
2016-present	Public Scholar, The Evictions Lab

2010-present	Research Affiliate, Center for Studies in Demography and Ecology, University of Washington.
2012-2015	Research Liaison and Organizer, City of Seattle & University of Washington Data/Research Collaboration.
2013-2015	Graduate Student Administration Representative, University of Washington.
2013	Coordinator, University of Washington and the City of Seattle Research Colloquium, City Hall, Seattle, WA.
2012	Coordinator, University of Washington and the City of Seattle Research Colloquium, University of Washington.
2011-2012	Graduate Student Representative, Student Technology Fund Committee, University of Washington.

COMPUTATIONAL PROFICIENCY

R (advanced), Python, Unix (Linux, Debian, Ubuntu), Amazon Web Services, git, html, QGIS, ArcGIS

RECOMMENDATIONS

Kyle Crowder	Professor (Dissertation Chair) University of Washington Department of Sociology kylecrow@uw.edu (206) 616-1203
Tyler McCormick	Associate Professor (Postdoctoral Mentor) University of Washington Department of Sociology & Statistics tylermc@uw.edu (206) 616-1203
Thaisa Way	Professor University of Washington Landscape Architecture tway@uw.edu (206) 685-2523

Stewart Tolnay	Professor (Dissertation Committee Member) University of Washington Department of Sociology tolnay@uw.edu (206) 685-2284
Bill Howe	Assistant Professor University of Washington iSchool billhowe@uw.edu
Mark Ellis	Professor University of Washington Department of Geography ellism@uw.edu
Nathalie Williams	Associate Professor (Dissertation Committee Member & Co-Author) University of Washington Department of Sociology natw@uw.edu (206) 616-6270