

# Timothy A. Thomas, Ph.D.

Postdoctoral Fellow

August 1, 2019

Department of Sociology  
eScience Institute  
University of Washington

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timathomas.github.io  
(206) 390-6512

## APPOINTMENTS

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

## EDUCATION

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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

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

## PEER-REVIEWED PUBLICATIONS

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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

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

## MANUSCRIPTS IN PROGRESS

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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." *Under Review*.

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**

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| 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. ( <a href="https://evictions.study">https://evictions.study</a> ) |
| 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**

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| 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

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- 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

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- 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.

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| 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

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| 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"<br>City of Seattle Arts & Culture Office, Seattle, WA.       |
| 2016-2017 | Consultant & Expert Witness, "Racial and Gender Disparities<br>in Evictions." ACLU & The Northwest Justice Project,<br>Washington State. |
| 2016-2017 | Consultant, "Spatial Patterns of Homeless Encampments."<br>The City of Seattle Mayor's Office, Seattle, WA.                              |

## TEACHING

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

## MEMBERSHIP & SERVICE

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



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| 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

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

## RECOMMENDATIONS

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

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