

# Timothy A. Thomas, Ph.D.

Curriculum vitae

March 19, 2019

Department of Sociology  
eScience Institute  
University of Washington

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(206) 390-6512

## APPOINTMENTS

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2017 - 2020      **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, 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*, Forthcoming.

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

## MANUSCRIPTS IN PROGRESS

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Thomas, Timothy A. "Displaced by Race: Evictions, Segregation, and the Housing Market."

Thomas, Timothy A. "Local and Extra-Local Neighborhood Dynamics of Evictions."

Thomas, Timothy A. "Gentrification & Evictions."

Thomas, Timothy A., Ott Toomet, Ian Kennedy, and Alex Ramiller. "The State of Evictions: Enumerating Evictions & Measuring Racial Disparities through Machine-Learning & Text Recognition of Washington State Court Records: 2004 to 2017."

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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2018	Enterprise Community Partners Washington State Evictions Research Seed Grant. <i>Seattle, WA (\$2,000)</i>
2017	Center for Studies in Demography and Ecology Travel Grant, <i>University of Washington (\$500)</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>
2016	Center for Studies in Demography and Ecology Travel Grant, <i>University of Washington (\$500)</i> .
2015	Center for Studies in Demography and Ecology Travel Grant, <i>University of Washington (\$500)</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>

## INVITED PRESENTATIONS

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2019	"Affordable Housing in the Advanced Economies" University of Pennsylvania & University of Oxford Symposium, Oxford, UK.
2019	"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.

- 2018 "Forced Evictions, Neighborhood Change, & Race: From Jim Crow to Gentrification." The City of Seattle's Office of Arts & Culture, Seattle, WA.
- 2018 "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.
- 2016 "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.
- 2014 "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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- 2018 "Eviction Ecology: Local and Extra-local Neighborhood Effects." American Sociological Association Annual Meeting, Philadelphia, PA. (presentation)

- 2018 "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)
- 2018 "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)
- 2016 "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)
- 2014 "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 AND CONSULTATION

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2018-present	Principal Researcher, "The State of Evictions: Measuring Prevalence & Racial Disparities." The eScience Institute & Dept. of Sociology, University of Washington, Seattle, WA.
2017-present	Principal Researcher, "Quantifying Displacement: Neighborhood Change & Migration in the Puget Sound Region." 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.
2016-2017	Consultant & Expert Witness, "Racial and Gender Disparities in Evictions." ACLU & The Northwest Justice Project, Washington State.
2017-2018	Researcher, "Hate Crimes and Micro-segregation." The City of Seattle Auditor's Office, Seattle, WA.
2016-2017	Program Coordinator, The UW Homelessness Initiative, Urban@UW, University of Washington, Seattle, WA.
2016-2017	Consultant, "Spatial Patterns of Homeless Encampments." The City of Seattle Mayor's Office, Seattle, WA.
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.

## TEACHING

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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.
2015	Instructor, Introduction to GIS for Health Researchers, University of Washington (online course).
2014	Co-Instructor, Urban Sociology, University of Washington, Seattle.
2012	Teaching Assistant, Criminology, University of Washington, Seattle.
2012	Teaching Assistant, Sociological Methods, University of Washington, Seattle.
2011	Teaching Assistant, Sociological Methods, University of Washington, Seattle.
2011	Co-Instructor, Visual Sociology, University of Washington, Seattle.
2010	Co-Instructor, Visual Sociology, University of Washington, Seattle.

## PUBLIC SCHOLARSHIP

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2017	"Is Seattle's past paving its future?" Seattle Growth Podcast. ( <a href="http://depts.washington.edu/foster/seattle-growth-podcast-3-6-seattles-past-paving-future/">http://depts.washington.edu/foster/seattle-growth-podcast-3-6-seattles-past-paving-future/</a> )
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- 2017 "Black life is draining out of Seattle, Census shows." NPR KUOW.  
(<http://kuow.org/post/black-life-draining-out-seattle-census-shows>)
- 2016 "Seattle's 'Diverse' Neighborhoods Are Surprisingly Segregated." NPR KUOW.  
(<http://kuow.org/post/seattles-diverse-neighborhoods-are-surprisingly-segregated>)
- 2016 "Seattle's Neighborhoods Have Experienced 'Segregation Within Integration'."  
Curbed. (<http://seattle.curbed.com/2016/4/14/11434824>)
- 2015 "When "diverse" neighborhoods are more segregated than they appear."  
Kinder Institute for Urban Research. (<https://kinder.rice.edu/Blog/holeywell061115/>)

## **MEMBERSHIP & SERVICE**

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- 2012-present Population Association of America
- 2013-present American Sociological Association
- 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) University of Washington Department of Sociology kylecrow@uw.edu (206) 616-1203
Stewart Tolnay	Professor (Dissertation Committee Member) University of Washington Department of Sociology tolnay@uw.edu (206) 685-2284
Nathalie Williams	Associate Professor (Dissertation Committee Member & Co-Author) University of Washington Department of Sociology natw@uw.edu (206) 616-6270