# Scott N. Markley

Research Director, <u>National Zoning Atlas</u>
Land Use Atlas, Inc.

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### **Education**

2023 PhD in Geography

University of Georgia (Athens, GA)

Dissertation: Planning Spatial Obsolescence: Racial Capitalism, the Home Owners' Loan Corporation, and the Production of Racialized Devaluation

2016 M.S. in Geography

University of Tennessee (Knoxville, TN)

Thesis: Pre- and Post-Crisis Geographies of New Urbanism in Atlanta's Inner Suburbs

2013 B.A. in Geography

Georgia Southern University (Statesboro, GA)

Minors: GIS, Economics *Summa cum laude* 

### **Positions**

2025-	Research Director, National Zoning Atlas, Land Use Atlas, Inc.
2023-24	Geospatial Project Coordinator, National Zoning Atlas, Cornell University
2023-24	Visiting Lecturer, Department of City and Regional Planning, Cornell University
2020-23	Spatial Data Scientist, Carl Vinson Institute of Government, University of Georgia
2019-20	Course Instructor, Department of Geography, University of Georgia

## **Peer-Reviewed Journal Articles**

2025	Swope, C., <b>S. Markley</b> , S. Whittaker, and A. Hillier. How and why does redlining
	matter for present-day health? Critical perspectives on causality, cartography, and
	capitalism. American Journal of Public Health (forthcoming).

- Markley, S. and A. Bonds. Race and value in space and time: a critical narrative cartography of HOLC's Area Descriptions. *Urban Geography* (forthcoming).
- 2024 **Markley, S.** Planning spatial obsolescence: residential segregation and the racist theory of (anti-)value. *Environment & Planning D: Society and Space* 42(5-6), 758 775. <a href="https://doi.org/10.1177/02637758241261218">https://doi.org/10.1177/02637758241261218</a>.
- Markley, S. and S. Holloway. Underestimating racism? Decoupling race and redlining. *Annals of the American Association of Geographers* 114(7), 1464 1482. <a href="https://doi.org/10.1080/24694452.2024.2350993.">https://doi.org/10.1080/24694452.2024.2350993.</a>
- 2024 **Markley, S.** Federal "redlining" maps: a critical reappraisal. *Urban Studies* 61(2), 195 213. https://doi.org/10.1177/00420980231182336.

- Beauvais, J., **S. Markley**, and J.E. Byers. Exponential growth of private coastal infrastructure influenced by geography and race in South Carolina, USA. *Scientific Reports* 14 (9114). https://www.nature.com/articles/s41598-024-59740-x.
- Markley, S. Tabulating Home Owners' Loan Corporation area description sheet data. *Environment & Planning B: Urban Analytics and City Science* 50(1), 268 80. <a href="https://doi.org/10.1177/23998083221133112">https://doi.org/10.1177/23998083221133112</a>.
- Xu, W., **S. Markley**, S. Bronin, and D. Drogaris. A national zoning atlas to inform housing research, policy, and public participation. *Cityscape* 25(3), 55 72. <a href="https://www.jstor.org/stable/48749671">https://www.jstor.org/stable/48749671</a>.
- Markley, S., S. Holloway, T. Hafley, and M. Hauer. Housing unit and urbanization estimates for the Continental U.S. in consistent tract boundaries, 1940 2019. *Scientific Data 9 (82)*. <a href="https://www.nature.com/articles/s41597-022-01184-x">https://www.nature.com/articles/s41597-022-01184-x</a>.
- Allums, C., **S. Markley**, and T. Hafley. "A better place to be"? Black Mecca, white democracy, and the contradictions of neoliberal cityhood in Atlanta's Black suburbs. *Journal of Urban Affairs* 44(6), 793 807. <a href="https://doi.org/10.1080/07352166.2020.1854612">https://doi.org/10.1080/07352166.2020.1854612</a>.
- Markley, S., T. Hafley, C. Allums, S. Holloway, and H. Chung. The limits of homeownership: racial capitalism, Black wealth, and the appreciation gap in Atlanta. *International Journal of Urban and Regional Research* 44(2), 310 28. <a href="https://doi.org/10.1111/1468-2427.12873">https://doi.org/10.1111/1468-2427.12873</a>.
- Markley, S. Suburban gentrification? Examining the geographies of New Urbanism in Atlanta's inner suburbs. *Urban Geography* 39(4), 606 30. <a href="https://doi.org/10.1080/02723638.2017.1381534">https://doi.org/10.1080/02723638.2017.1381534</a>.
- Markley, S. New Urbanism and race: an analysis of neighborhood racial change in suburban Atlanta. *Journal of Urban Affairs* 40(8), 1115 31. https://doi.org/10.1080/07352166.2018.1454818.
- Markley, S. and M. Sharma. Keeping Knoxville Scruffy? Urban entrepreneurialism, creativity, and gentrification down the urban hierarchy. Southeastern Geographer 56(4), 384 408. <a href="https://www.jstor.org/stable/26233815">https://www.jstor.org/stable/26233815</a>.
- Markley, S. and M. Sharma. Gentrification in the revanchist suburb: the politics of removal in Roswell, Georgia. *Southeastern Geographer* 56(1), 57 80. <a href="https://www.istor.org/stable/26233772">https://www.istor.org/stable/26233772</a>.
- Markley, S. and W. Tu. Regional and racial disparity of preterm birth prevalence in Georgia, 1995–2012. *Papers in Applied Geography* 1(2), 168 75. https://doi.org/10.1080/23754931.2015.1012439.

# **Book Chapters**

- Markley, S. and D. Drogaris. Zoning and the rise of municipal data brokers: toward a political economy of "data slop." In R. Kitchin, D. Hynes, and S. Mutter (eds.), *The Data Politics of Property and Planning*. Bristol, UK: Bristol University Press (forthcoming).
- Markley, S. and C. Allums. Postfascist (sub)urbanism: 'social cleansing' in the age of Trump, in *The Political Landscapes of Donald Trump*, B. Warf (editor). New York: Routledge.

#### **Other Publications**

- Markley, S. Housing, socioeconomic, and racial data in consistent neighborhood geometries for 65 cities mapped by the Home Owners' Loan Corporation, 1940 2019. Available at *SocArXiv*. https://doi.org/10.31235/osf.io/5w6jx.
- Bronin, S., **S. Markley**, A. Fader, and E. Derickson. (June 22). How to make a zoning atlas 2.0: the official methodology of the National Zoning Atlas. Available at SSRN: <a href="http://dx.doi.org/10.2139/ssrn.4476927">http://dx.doi.org/10.2139/ssrn.4476927</a>.
- Markley, S. Atlanta, Georgia. In *Mapping Inequality: Redlining in New Deal America*, R. Nelson and L. Winling (editors). Richmond: Digital Scholarship Lab at the University of Richmond.

  https://dsl.richmond.edu/panorama/redlining3/map/GA/Atlanta/context#loc=12/33.758/-84.3642. (Commissioned).
- Allums, C. and **S. Markley**. (March 10). The new suburban secession: a postfascist turn in Atlanta's cityhood movement. *Metropolitics*.

  <a href="https://www.metropolitiques.eu/The-New-Suburban-Secession-A-Postfascist-Turn-in-Atlanta-s-Cityhood-Movement.html">https://www.metropolitiques.eu/The-New-Suburban-Secession-A-Postfascist-Turn-in-Atlanta-s-Cityhood-Movement.html</a>.
- Markley, S. (October 30). From exclusion to expulsion: demolition, displacement, and race in Atlanta's northern suburbs. *Atlanta Studies*. <a href="https://doi.org/10.18737/atls20181030">https://doi.org/10.18737/atls20181030</a>.

#### **Public Data Products**

- Markley, S. Housing, Socioeconomic, and Racial Data in Consistent Neighborhood Geometries for 65 Cities Mapped by the Home Owners' Loan Corporation, 1940 2019. https://doi.org/10.17605/OSF.IO/JXATU.
- 2023 **Markley, S.** Tracts by Census Place centroid (Version 1.0.0) https://doi.org/10.5281/zenodo.7649459.
- Markley, S., S. Holloway, T. Hafley, and M. Hauer. HHUUD10: Historical Housing Unit and Urbanization Database 2010. https://doi.org/10.17605/OSF.IO/FZV5E.

- Markley, S. THOLCADS: Tabulated Home Owners' Loan Corporation Area Description Sheet Data. <a href="https://doi.org/10.17605/OSF.IO/QYTJ8">https://doi.org/10.17605/OSF.IO/QYTJ8</a>.
- In collaboration with Alyson Powell Key and *Parametric Press*. Apartments demolished and residents displaced in Atlanta's northern suburbs, 2010–2017. *Parametric Press*. <a href="https://parametric.press/issue-01/data-science-for-fair-housing/">https://parametric.press/issue-01/data-science-for-fair-housing/</a>.

#### **Grants Awarded**

- "Zoning's Impact on Segregation, Housing Production, and Affordability" (\$350,000). U.S. Department of Housing and Urban Development Unsolicited Research Proposals Program. Co-Investigator with Sara Bronin (PI).
- "Housing unit and urbanization estimates for the Continental U.S. in consistent tract boundaries" (\$2,090). Open Access Grant for Graduate Students. University of Georgia Libraries. Principal Investigator.
- "Assessment of race and heat vulnerability in the Atlanta metropolitan area" (\$9,000). Diversity Research and Scholarship Grant Program, University of Georgia. Co-Investigator with Marshall Shepherd (PI), Jerry Shannon, and Steve Holloway.
- "Planning spatial obsolescence: racial capitalism, the Home Owners' Loan
   Corporation, and the production of racialized devaluation" (\$1,000).
   Dissertation Research Grant, American Association of Geographers. Principal Investigator.

## **Invited Talks and Colloquia**

- "How does land-use planning influence residential segregation? Insights from the National Zoning Atlas." (May 1). Missouri City/County Management Association Spring Meeting. Lake of the Ozarks, MO.
- 2025 "Planning spatial obsolescence in Atlanta." (March 13). School of City and Regional Planning Invited Speaker Series, Georgia Institute of Technology. Atlanta, GA.
- "How to estimate housing units and urbanization in small areas for the Continental United States from 1940 to 2019." (February 26). Spatial Processes and City Environments (SPACE) Working Group Spring Speaker Series, Department of Sociology, Rice University. Houston, TX.
- "What were 'redlining' maps for? Race and the interwar cartographies of a new science." (February 21). Department of Geography Spring Colloquium Series, Texas A&M University. College Station, TX.
- 2024 "The history of zoning and the National Zoning Atlas." (September 16). SOC 121: Inequality and Environment Justice in the City, Rachel McKane (instructor), Brandeis University. Waltham, MA.

- "From redlining to exclusionary zoning: how new spatial datasets are changing how we understand sub/urban inequality." (February 2). Department of City and Regional Planning Spring Colloquium Series, Cornell University. Ithaca, NY.
- "Residential segregation and the racist theory of (anti-)value in racial capitalism." (February 1). Department of City and Regional Planning Research Seminar, Cornell University. Ithaca, NY.
- "Are researchers underestimating racism? Disentangling race, 'redlining,' and value in US cities. (October 19). School of Geography Seminar Series, University College Dublin. Dublin, Ireland.
- "Zoning, affordability, and innovation." (June 15). Housing Innovation: Inspiration from Around the World. Urban Land Institute (ULI) Atlanta Chapter. Atlanta, GA.
- "Residential segregation and the racist theory of (anti-)value." (March 8). ANTH 3487: Racial Capitalism, Amiel Bize (instructor), Cornell University. Ithaca, NY.

## **Invited Workshops**

- FHA rental housing map workshop. (October 18). Lead organizers: Brent Cebul and Michael Glass. University of Pennsylvania, Philadelphia, PA.
- 2024 Understanding the history of redlining. (October 5). Lead organizers: Omer Ali and Randall Walsh. University of Pittsburgh, Pittsburgh, PA.
- The data politics of housing and planning. (September 2 3). Lead organizer: Rob Kitchin. Maynooth University, Maynooth, Co. Kildare, Ireland. <a href="https://datastories.maynoothuniversity.ie/?p=247">https://datastories.maynoothuniversity.ie/?p=247</a>.
- Reporting on redlining: get to know your data with Scott Markley. (March 29).

  Norman B. Leventhal Map & Education Center at the Boston Public Library,

  Boston, MA. <a href="https://www.leventhalmap.org/event/reporting-on-redlining-get-to-know-your-data-with-scott-markley/">https://www.leventhalmap.org/event/reporting-on-redlining-get-to-know-your-data-with-scott-markley/</a>.

#### **Courses Taught**

#### **Instructor**

CRP 2010: People, Planning, and Politics in the City, Cornell University

GEOG 1101: Intro. to Human Geography, University of Georgia GEOG 3630: Intro. to Urban Geography, University of Georgia

GEOG 4370/6370: Intro. to GIS, University of Georgia

#### **Teaching Assistant**

GEOG 1101: Intro. to Human Geography, University of Georgia GEOG 340: Economic Geography, University of Tennessee

GEOG 101: World Geography, University of Tennessee

GEOG 1130: World Regional Geography, Georgia Southern University

# **Conference Presentations**

2025	"Planning spatial obsolescence: residential segregation and the racist theory of (anti-)value." International Conference on Urban Affairs. Vancouver, BC. Paper. (April $15 - 19$ ).
2025	"Economics 101 meets Geography 101: how geographic theory and method disrupt supply and demand." American Association of Geographers (AAG) Annual Meeting. Detroit, MI. Paper. (March $24-28$ ).
2024	"Race and value in space and time: a critical narrative cartography of the Home Owners' Loan Corporation's Area Description sheets." Annual Meeting of the Southeastern Division of the American Association of Geographers (SEDAAG). Greenville, SC. Paper. (November $23 - 25$ ).
2024	"Underestimating racism? Decoupling race and 'redlining.'" International Conference on Urban Affairs. New York, NY. Paper.
2023	"Using the Historical Housing Unit and Urbanization Database to investigate urban renewal." Urban Affairs Association Conference. Nashville, TN. Paper.
2023	"Federal 'redlining' maps: a critical reappraisal." AAG Annual Meeting. Denver, CO (Virtual). Paper.
2022	"Creating and using the Historical Housing Unit and Urbanization Database." Applied Geography Conference. Virtual. Paper.
2022	"Planning spatial obsolescence: mapping the historical geographies of racialized devaluation." AAG Annual Meeting. Virtual. Paper.
2021	"Tabulating HOLC 'Area Description' sheet data." Applied Geography Conference. Virtual. Paper.
2021	"Residential segregation and the 'racist theory of value' in racial capitalism." AAG Annual Meeting. Virtual. Paper.
2019	"The racial wealth gap and the limits of homeownership." Urban Affairs Association Conference. Los Angeles, CA. Paper.
2019	"Demolition and displacement in the white ethno-suburb." AAG Annual Meeting. Washington, DC. Paper.
2018	"From exclusion to expulsion: apartment demolitions in Atlanta's northern suburbs since the Recession." Atlanta Studies Symposium. Atlanta, GA. Panel.
2018	"Recovery for whom? Race, class, and property in Atlanta since the Great Recession." AAG Annual Meeting. New Orleans, LA. Paper.
2018	"Suburban renewal: Demolition and displacement in an Atlanta suburb." Geography Graduate Research Symposium. Athens, GA. Paper.

"New Urbanism and race: An analysis of neighborhood change in Metro Atlanta." 2017 AAG Annual Meeting. Boston, MA. Paper. "Progressive alternative or business as usual? Analyzing the relationship between 2016 New Urbanism and racial/ethnic change in Atlanta's inner suburbs." Race, Ethnicity, Place Conference. Kent, OH. Paper. "Examining the determinants of infill New Urbanism in Atlanta's suburbs." AAG 2016 Annual Meeting. San Francisco, CA. Paper. 2016 "Gentrification in the suburbs: A look at the case of Roswell, Georgia." University of Tennessee Geography Symposium. Knoxville, TN. Paper. "New-build gentrification in the Atlanta suburbs? Examining the determinants of 2015 New Urban-designed project locations in Cobb County, Georgia." AAG Annual Meeting. Chicago, IL. Paper. "Regional and racial disparity of preterm birth prevalence in Georgia, 1995-2012." 2014 Applied Geography Conference." Atlanta, GA. Paper. Co-presented with Wei Tu.

# **Conference Sessions and Panels Organized**

- 2023 "Spatial histories of real estate data." AAG Annual Meeting. Paper session. Coorganized with Ian Spangler.
- "Historical urban geographies of whiteness and anti-Blackness." AAG Annual Meeting. Virtual. Two paper sessions. Co-organized with Taylor Shelton and Wenfei Xu.
- 2019 "The spatial politics of reaction: austerity, ressentiment, and the urban." AAG Annual Meeting. Washington, DC. Two paper sessions. Co-organized with Coleman Allums.
- 2018 "Race, capitalism, and metropolitan space under (late) neoliberalism." AAG Annual Meeting. New Orleans, LA. Three paper sessions. Co-organized with Coleman Allums, Taylor Hafley, and Guillaume Poiret.
- 2018 "Geographies of neoliberal governance in Metro Atlanta." Atlanta Studies Symposium, Atlanta Georgia. Panel. Co-organized with Coleman Allums, Rachel Will, and Taylor Hafley.
- "Suburban geographies of crisis and change." AAG Annual Meeting. Boston, MA. Three paper sessions. Co-organized with Coleman Allums and Guillaume Poiret.
- 2017 "Emerging scholars in ethnic geography." AAG Annual Meeting. Boston, MA. One paper session. Co-organized with Ana Sanchez-Rivera and John Ponstingel.

#### **Honors and Awards**

2025 Alma H. Young Emerging Scholar Award (\$2,000) Urban Affairs Association

2023	Economic Inclusion Research Network Workshop Participant (\$900 value) Urban Affairs Association and the Kaufman Foundation
2022	Dissertation Proposal Award (\$200) Ethnic Geography Specialty Group, AAG
2016	Student Travel Award (\$150 value) Race, Ethnicity, Place VIII Conference
2016	Robert G. Long Outstanding Graduate Student, M.S. (\$250) Department of Geography, University of Tennessee
2016	Student Paper Competition Award (\$200) Ethnic Geography Specialty Group, AAG
2013	Student of the Year (\$500) Esri Development Center
2013	Eagle's Abroad Travel Award (\$250) Georgia Southern University
2013	Outstanding Scholar Award Georgia Southern University
2013	Geography Student of the Year Georgia Southern University
2009-13	HOPE Scholarship (tuition waiver) State of Georgia
2012	Daniel B. Good Geography Scholarship (\$1,000) Georgia Southern University
2012	John F. Nolen Scholarship (\$1,000) Georgia Southern University
2012	Savannah GIS Day Undergraduate Poster Competition Winner (\$250) Savannah Area GIS
2011	Savannah GIS Day Undergraduate Poster Competition Winner (\$250) Savannah Area GIS
Profession	nal and Community Sarvice

## Professional and Community Service

2024	Volunteer data consultant for the Athens-Clarke County Anti-Eviction Project Community Mapping Lab, University of Georgia
2023-24	Judge for the 2023 Housing Ideas Challenge Federation of American Scientists

College Board Advanced Placement (AP) Expert Advisor 2022 East Hamilton High School, Ooltewah, TN 2022 Volunteer organizer GIS Day, University of Georgia 2016-21 Student representative Ethnic Geography Specialty Group, AAG 2018-19 **Executive Committee member** Geography Graduate Student Association, University of Georgia Volunteer map consultant 2019 Sandy Springs Together, Sandy Springs, GA 2018 Volunteer data consultant Communication Workers of America (CWA) 2016 - 17Student planner Geography Graduate Research Symposium, University of Georgia 2016 Volunteer map consultant East Tennessee Peace and Justice Center, Knoxville, TN 2016 Student volunteer Southern Demographic Association meeting, Athens, GA Secretary/Treasurer 2015-16 Graduate Association of Research Geographers, University of Tennessee Student Government Representative 2012 - 13Georgia Southern University 2011 Student volunteer SEDAAG meeting, Savannah, GA

#### **Journal Reviews**

Health and Place (2024), Landscape and Urban Planning (2024), City & Community (2024), Journal of Urban Health (2024), Nature Cities (2024), Environment & Planning F (2024), Journal of Urban Affairs (2024, 2023a, 2023b, 2022, 2019, 2018), Nature Scientific Data (2023), Urban Geography (2023, 2021, 2020), Environment & Planning A (2023), Annals of the American Association of Geographers (2022), Housing Policy Debate (2022, 2020, 2017), Journal of Transport Geography (2021, 2018), Cities (2020), Southeastern Geographer (2019), Urban Planning (2018), Geographical Review (2016)

#### Featured in Media

Lin, J. and G. Shill. (May 20). The National Zoning Atlas. *Densely Speaking: Conversations about Cities, Economics & Law.* (Podcast).

- $\frac{https://podcasts.apple.com/us/podcast/the-national-zoning-atlas-sara-bronin-and-scott-markley/id1529689369?i=1000656139749.$
- Liu, S. and L.D. Quinby. (March 28). What drives the racial housing gap for older homeowners? Center for Retirement Research at Boston College.

  <a href="https://crr.bc.edu/what-drives-the-racial-housing-wealth-gap-for-older-homeowners/">https://crr.bc.edu/what-drives-the-racial-housing-wealth-gap-for-older-homeowners/</a>.
- 2023 Connor, M. (March 14). The surprising roots of Marjorie Taylor Greene's idea of national divorce. *The Washington Post*. <a href="https://www.washingtonpost.com/made-by-history/2023/03/14/greene-atlanta-national-divorce/">https://www.washingtonpost.com/made-by-history/2023/03/14/greene-atlanta-national-divorce/</a>.
- Schneider, B. (February 22). Atlanta keeps demolishing its affordable housing. *Urban Field Notes*. <a href="https://benjaminschneider.substack.com/p/atlanta-keeps-demolishing-its-affordable">https://benjaminschneider.substack.com/p/atlanta-keeps-demolishing-its-affordable</a>.
- Buchanan, K. (March 27). Is SLO housing market really 'doing well'? That depends on your definition. *The Tribune*.

  <a href="http://ct.moreover.com/?a=47365986914&p=1pl&v=1&x=W\_4OgE-2z-6HxdsAscfKbA">http://ct.moreover.com/?a=47365986914&p=1pl&v=1&x=W\_4OgE-2z-6HxdsAscfKbA</a>.
- Spangler, I. (January 23). Reporting on redlining: an interview with Scott Markley. *Get to Know Your Data*, Norman B. Leventhal Map & Education Center at the Boston Public Library. <a href="https://www.leventhalmap.org/articles/scott-markley-interview/">https://www.leventhalmap.org/articles/scott-markley-interview/</a>.
- Urban Institute. (September 29). Racial appreciation gap limits financial benefits of Black homeownership. Housing Matters: An Urban Institute Initiative.

  <a href="https://housingmatters.urban.org/research-summary/racial-appreciation-gap-limits-financial-benefits-black-homeownership?utm\_medium=twitter&utm\_source=hm\_social.">https://housingmatters.urban.org/research-summary/racial-appreciation-gap-limits-financial-benefits-black-homeownership?utm\_medium=twitter&utm\_source=hm\_social.</a>
- 2021 Mironova, O. (January 15). Pushing Biden to address the U.S.'s housing crisis. *On the Precipice: A Progressive Agenda in the Biden Era*, Rosa Luxemburg Stiftung. <a href="https://rosalux.nyc/biden-housing-crisis/">https://rosalux.nyc/biden-housing-crisis/</a>
- Hartman, T., S. Hart, J. Marte, and H. Schneider. (July 14). The race gap: how US systemic racism plays out in Black lives. *Reuters Graphics*.

  <a href="https://graphics.reuters.com/GLOBAL-RACE/USA/nmopajawjva/index.html?fbclid=IwARogLuYeFlYig1ubTksaFjzuSoxNgf5sUFW8MoWeDvqlz1ml">https://graphics.reuters.com/GLOBAL-RACE/USA/nmopajawjva/index.html?fbclid=IwARogLuYeFlYig1ubTksaFjzuSoxNgf5sUFW8MoWeDvqlz1ml</a> rvvnpFanuU#0.
- Enghauser, A. (May 29). Redress for Linnentown. *Odyssey Media Group at Clarke Central High School*, Issue 4. <a href="http://www.odysseynewsmagazine.com/2020/05/29/redress-for-linnentown/">http://www.odysseynewsmagazine.com/2020/05/29/redress-for-linnentown/</a>.
- Buckner, H., S. Fennessy, B. Riley, M. Shalhoup, and T. Wheatley. (April 30). Can we still afford Atlanta? *Atlanta Magazine*.

  <a href="https://www.atlantamagazine.com/list/can-we-still-afford-atlanta/9-reasons-why-were-facing-an-affordability-crunch/">https://www.atlantamagazine.com/list/can-we-still-afford-atlanta/9-reasons-why-were-facing-an-affordability-crunch/</a>.

- Givens, D. (March 4). The rise of Black businesses and homeownership won't close the racial wealth gap. *Black Enterprise*. <a href="https://www.blackenterprise.com/the-rise-of-black-businesses-and-homeownership-wont-close-the-racial-wealth-gap/">https://www.blackenterprise.com/the-rise-of-black-businesses-and-homeownership-wont-close-the-racial-wealth-gap/</a>.
- Mock, B. (February 25). Why Black businesses and homeownership won't close the wealth gap. *Bloomberg CityLab*.

  <a href="https://www.bloomberg.com/news/articles/2020-02-25/how-to-actually-close-the-racial-wealth-gap">https://www.bloomberg.com/news/articles/2020-02-25/how-to-actually-close-the-racial-wealth-gap</a>.
- Key, A.P. (May 1). Data science for fair housing. *Parametric Press*, Issue 1: Science+Society. <a href="https://parametric.press/issue-01/data-science-for-fair-housing/">https://parametric.press/issue-01/data-science-for-fair-housing/</a>.
- Vashi, S. (November 5). Q+A: Scott Markley on the racial impact of Atlanta's apartment demolitions. *Saporta Report*. <a href="https://saportareport.com/qa-scott-markley-on-the-racial-impact-of-atlantas-apartment-demolitions/">https://saportareport.com/qa-scott-markley-on-the-racial-impact-of-atlantas-apartment-demolitions/</a>.

# **Professional Memberships**

- 2018 Urban Affairs Association
   2014 American Association of Geographers (AAG)
- 2011– Southeastern Division of the American Association of Geographers (SEDAAG)

#### **Software Proficiency**

R/R Studio, QGIS, ArcGIS Pro, ArcGIS Online, SQL, Python (basic), Qlik Sense, Power BI (basic)