

Scott N. Markley

Geospatial Project Coordinator, [National Zoning Atlas](#)
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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

Cornell University (Ithaca, NY)

- 2023– Geospatial Project Coordinator, National Zoning Atlas
2023– Visiting Lecturer, Department of City and Regional Planning

University of Georgia (Athens, GA)

- 2020–23 Geospatial Data Scientist, Carl Vinson Institute of Government
2019–20 Course Instructor, Department of Geography
2016–19 Teaching Assistant, Department of Geography
2017–18 Research Assistant, Department of Geography

Peer-Reviewed Journal Articles

- 2024 **Markley, S.** Planning spatial obsolescence: residential segregation and the racist theory of (anti-)value. *Environment & Planning D: Society and Space* (in press), 1 – 18. <https://doi.org/10.1177/02637758241261218>.
- 2024 **Markley, S.** and S. Holloway. Underestimating racism? Decoupling race and redlining. *Annals of the American Association of Geographers* 114(7), 1464 – 1482. <https://doi.org/10.1080/24694452.2024.2350993>.
- 2024 **Markley, S.** Federal “redlining” maps: a critical reappraisal. *Urban Studies* 61(2), 195 – 213. <https://doi.org/10.1177/00420980231182336>.

- 2024 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>.
- 2023 **Markley, S.** Tabulating Home Owners' Loan Corporation area description sheet data. *Environment & Planning B: Urban Analytics and City Science* 50(1), 268 – 80. <https://doi.org/10.1177/23998083221133112>.
- 2023 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. <https://www.jstor.org/stable/48749671>.
- 2022 **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). <https://www.nature.com/articles/s41597-022-01184-x>.
- 2022 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. <https://doi.org/10.1080/07352166.2020.1854612>.
- 2020 **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. <https://doi.org/10.1111/1468-2427.12873>.
- 2018 **Markley, S.** Suburban gentrification? Examining the geographies of New Urbanism in Atlanta’s inner suburbs. *Urban Geography* 39(4), 606 – 30. <https://doi.org/10.1080/02723638.2017.1381534>.
- 2018 **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>.
- 2016 **Markley, S.** and M. Sharma. Keeping Knoxville Scruffy? Urban entrepreneurialism, creativity, and gentrification down the urban hierarchy. *Southeastern Geographer* 56(4), 384 – 408. <https://www.jstor.org/stable/26233815>.
- 2016 **Markley, S.** and M. Sharma. Gentrification in the revanchist suburb: the politics of removal in Roswell, Georgia. *Southeastern Geographer* 56(1), 57 – 80. <https://www.jstor.org/stable/26233772>.
- 2015 **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

- 2020 **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. (Commissioned)

Other Publications

- 2024 **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>.
- 2023 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: <http://dx.doi.org/10.2139/ssrn.4476927>.
- 2023 **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).
- 2020 Allums, C. and **S. Markley**. (March 10). The new suburban secession: a postfascist turn in Atlanta’s cityhood movement. *Metropolitiques*.
<https://www.metropolitiques.eu/The-New-Suburban-Secession-A-Postfascist-Turn-in-Atlanta-s-Cityhood-Movement.html>.
- 2018 **Markley, S.** (October 30). From exclusion to expulsion: demolition, displacement, and race in Atlanta’s northern suburbs. *Atlanta Studies*.
<https://doi.org/10.18737/atls20181030>.

Manuscripts in Review

Markley, S. and A. Bonds. Race and value in space and time: a critical narrative cartography of the Home Owners’ Loan Corporation’s Area Description sheets. R&R received from *Urban Geography* in September 2024.

Swope, C., **S. Markley**, S. Whittaker, and A. Hillier. How and why does redlining matter for present-day health? Critical perspectives on causality, cartography, and capitalism. R&R received from the *American Journal of Public Health* in August 2024.

Shepherd, J.M., S. Holloway, J. Shannon, **S. Markley**, and Y. Wei. Assessment of race, urban heat, and redlining in the Atlanta Metropolitan area. R&R received from *Atlanta Studies* in June 2024.

Markley, S. and D. Drogaris. Zoning and the rise of the municipal data solutions startup, or the political economy of data slop. Submitted to be a chapter in R. Kitchin (ed.), *The Data Politics of Housing and Planning*. (Commissioned)

Public Data Products

- 2024 **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>.
- 2022 **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>.
- 2022 **Markley, S.** THOLCADS: Tabulated Home Owners' Loan Corporation Area Description Sheet Data. <https://doi.org/10.17605/OSF.IO/QYTJ8>.
- 2019 In collaboration with Alyson Powell Key and *Parametric Press*. Apartments demolished and residents displaced in Atlanta's northern suburbs, 2010–2017. *Parametric Press*. <https://parametric.press/issue-01/data-science-for-fair-housing/>.

Grants Awarded

- 2023 “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).
- 2022 “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.
- 2021 “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.
- 2021 “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

- 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.
- 2024 “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.

- 2024 “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.
- 2023 “Are researchers underestimating racism? Disentangling race, ‘redlining,’ and value in US cities. (October 19). School of Geography Seminar Series, University College Dublin. Dublin, Ireland.
- 2023 “Zoning, affordability, and innovation.” (June 15). Housing Innovation: Inspiration from Around the World. Urban Land Institute (ULI) Atlanta Chapter. Atlanta, GA. Panelist.
- 2023 “Residential segregation and the racist theory of (anti-)value.” (March 8). ANTH 3487: Racial Capitalism, Amiel Bize (instructor), Cornell University. Ithaca, NY.
- 2019 “Moving beyond intent: race and redevelopment in the Atlanta suburbs.” (November 15). Southeastern Council of Foundations Annual Meeting. Atlanta, GA. Panelist with Mayor Shirley Franklin, Tim Keane, and Frank Fernandez.

Invited Workshops

- 2024 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.
- 2024 The data politics of housing and planning. (September 2 – 3). Lead organizer: Rob Kitchin. Maynooth University, Maynooth, Co. Kildare, Ireland.
<https://datastories.maynoothuniversity.ie/?p=247>.
- 2022 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. <https://www.leventhalmap.org/event/reporting-on-redlining-get-to-know-your-data-with-scott-markley/>.

Courses Taught

Instructor of Record

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.

- 2017 “New Urbanism and race: An analysis of neighborhood change in Metro Atlanta.” AAG Annual Meeting. Boston, MA. Paper.
- 2016 “Progressive alternative or business as usual? Analyzing the relationship between New Urbanism and racial/ethnic change in Atlanta’s inner suburbs.” Race, Ethnicity, Place Conference. Kent, OH. Paper.
- 2016 “Examining the determinants of infill New Urbanism in Atlanta’s suburbs.” AAG 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.
- 2015 “New-build gentrification in the Atlanta suburbs? Examining the determinants of New Urban-designed project locations in Cobb County, Georgia.” AAG Annual Meeting. Chicago, IL. Paper.
- 2014 “Regional and racial disparity of preterm birth prevalence in Georgia, 1995-2012.” 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. Co-organized with Ian Spangler.
- 2022 “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, resentment, 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.
- 2017 “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

- 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

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
- 2022 College Board Advanced Placement (AP) Expert Advisor
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
- 2019 Volunteer map consultant
Sandy Springs Together, Sandy Springs, GA
- 2018 Volunteer data consultant
Communication Workers of America (CWA)
- 2016–17 Student 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
- 2015–16 Secretary/Treasurer
Graduate Association of Research Geographers, University of Tennessee
- 2012–13 Student Government Representative
Georgia 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

- 2024 Lin, J. and G. Shill. (May 20). The National Zoning Atlas. *Densely Speaking: Conversations about Cities, Economics & Law*. (Podcast).
<https://podcasts.apple.com/us/podcast/the-national-zoning-atlas-sara-bronin-and-scott-markley/id1529689369?i=1000656139749>.

- 2023 Liu, S. and L.D. Quinby. (March 28). What drives the racial housing gap for older homeowners? Center for Retirement Research at Boston College. <https://crr.bc.edu/what-drives-the-racial-housing-wealth-gap-for-older-homeowners/>.
- 2023 Connor, M. (March 14). The surprising roots of Marjorie Taylor Greene’s idea of national divorce. *The Washington Post*. <https://www.washingtonpost.com/made-by-history/2023/03/14/greene-atlanta-national-divorce/>.
- 2023 Schneider, B. (February 22). Atlanta keeps demolishing its affordable housing. *Urban Field Notes*. <https://benjaminschneider.substack.com/p/atlanta-keeps-demolishing-its-affordable>.
- 2022 Buchanan, K. (March 27). Is SLO housing market really ‘doing well’? That depends on your definition. *The Tribune*. http://ct.moreover.com/?a=47365986914&p=1pl&v=1&x=W_4OgE-2z-6HxdsAscKbA.
- 2022 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. <https://www.leventhalmap.org/articles/scott-markley-interview/>.
- 2021 Urban Institute. (September 29). Racial appreciation gap limits financial benefits of Black homeownership. *Housing Matters: An Urban Institute Initiative*. https://housingmatters.urban.org/research-summary/racial-appreciation-gap-limits-financial-benefits-black-homeownership?utm_medium=twitter&utm_source=hm_social.
- 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. <https://rosalux.nyc/biden-housing-crisis/>
- 2020 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*. https://graphics.reuters.com/GLOBAL-RACE/USA/nmopajawjva/index.html?fbclid=IwARogLuYeFLYig1ubTksaFjzuSoxNqf5sUFW8MoWeDvqlz1ml_rvnpFanuU#o.
- 2020 Enghauser, A. (May 29). Redress for Linnentown. *Odyssey Media Group at Clarke Central High School*, Issue 4. <http://www.odysseynewsmagazine.com/2020/05/29/redress-for-linnentown/>.
- 2020 Buckner, H., S. Fennessy, B. Riley, M. Shalhoup, and T. Wheatley. (April 30). Can we still afford Atlanta? *Atlanta Magazine*. <https://www.atlantamagazine.com/list/can-we-still-afford-atlanta/9-reasons-why-were-facing-an-affordability-crunch/>.
- 2020 Givens, D. (March 4). The rise of Black businesses and homeownership won’t close the racial wealth gap. *Black Enterprise*. <https://www.blackenterprise.com/the-rise-of-black-businesses-and-homeownership-wont-close-the-racial-wealth-gap/>.

- 2020 Mock, B. (February 25). Why Black businesses and homeownership won't close the wealth gap. *Bloomberg CityLab*. <https://www.bloomberg.com/news/articles/2020-02-25/how-to-actually-close-the-racial-wealth-gap>.
- 2019 Key, A.P. (May 1). Data science for fair housing. *Parametric Press*, Issue 1: Science+Society. <https://parametric.press/issue-01/data-science-for-fair-housing/>.
- 2018 Vashi, S. (November 5). Q+A: Scott Markley on the racial impact of Atlanta's apartment demolitions. *Saporta Report*. <https://saportareport.com/qa-scott-markley-on-the-racial-impact-of-atlantas-apartment-demolitions/>.

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)