

KYLE E. WALKER – CURRICULUM VITAE

Associate Professor of Geography
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EDUCATION

- 2011 Ph.D.: Geography, University of Minnesota, Minneapolis, MN
- 2007 M.A.: Geography, University of Minnesota, Minneapolis, MN
- 2005 B.A.: Geography & French, Clark Honors College, University of Oregon,
Eugene, OR
Magna cum laude with departmental honors

PROFESSIONAL EXPERIENCE

- 2017-: Associate Professor of Geography, Texas Christian University, Fort Worth, TX
- 2015- : Director, Center for Urban Studies, Texas Christian University, Fort Worth, TX
- 2012- 2017: Assistant Professor of Geography, Texas Christian University, Fort Worth, TX
- 2011-2012: Data & Research Analyst, Church Pension Group, New York, NY

PUBLICATIONS

Books:

- 2023 Walker, Kyle E. *Analyzing US Census Data: Methods, Maps, and Models in R*.
Boca Raton, FL: CRC Press. Available online at <https://walker-data.com/census-r/>.

Articles (peer-reviewed):

- 2021 Coles, Ashley, and Kyle E. Walker. Assessing motorist behavior during flash
floods in Tucson, Arizona. *Transportation*. DOI: 10.1007/s11116-020-10156-2.
- 2020 Shannon, Jerry, and Kyle E. Walker. Ventures into viral cartography: Waffle
House, educational attainment, and the social life of maps. *The Professional
Geographer* 72(1), pp. 66-77. DOI: [10.1080/00330124.2019.1653774](https://doi.org/10.1080/00330124.2019.1653774)

- 2018 Walker, Kyle E. Locating neighborhood diversity in the American metropolis. *Urban Studies* 55(1), pp. 116-132. DOI: 10.1177/0042098016643481.
- Shannon, Jerry, and Kyle E. Walker. Opening GIScience: A process-based approach. *International Journal of Geographic Information Science* 32(10), pp. 1911-1926.
- Walker, Kyle E. A Reproducible Framework for Visualizing Demographic Distance Profiles in US Metropolitan Areas. *Spatial Demography* 6(3), pp. 207-233.
- Walker, Kyle E. Scaling the Interactive Dot Map. *Cartographica* 53(3), pp. 171-184.
- 2017 Walker, Kyle E. The Shifting Destinations of Metropolitan Migrants in the U.S., 2005-2011. *Growth & Change* 48(4), pp. DOI: 10.1111/grow.12187
- 2016 Walker, Kyle E. Baby boomer migration and demographic change in U.S. metropolitan areas. *Migration Studies* 4(3), pp. 347-372. DOI: 10.1093/migration/mnw012.
- Walker, Kyle E. tigris: An R Package to Access and Work with Geographic Data from the US Census Bureau. *The R Journal* 8(2), pp. 231-242.
- Walker, Kyle E. Tools for interactive visualization of global demographic concepts in R. *Spatial Demography* 4(3), pp. 207-220.
- 2015 Walker, Kyle E. The spatiality of local immigration policies in the United States. *Tijdschrift voor economische en sociale geografie* 106(4), pp. 486-498.
- Walker, Kyle E., and Sean M. Crotty. Classifying high-prevalence neighborhoods for cardiovascular disease in Texas. *Applied Geography* 57, pp. 22-31.
- 2014 Walker, Kyle E. Immigration, local policy, and national identity in the suburban United States. *Urban Geography* 35(4), pp. 508-529.
- Walker, Kyle E. The Role of Geographic Context in the Local Politics of US Immigration. *Journal of Ethnic and Migration Studies* 40(7), pp. 1040-1059.
- 2013 Walker, Kyle E. Political Segregation of the Metropolis: Spatial Sorting by Partisan Voting in Minneapolis-St. Paul, Minnesota. *City & Community* 12(1), pp. 35-55.
- 2011 Walker, Kyle E., and Helga Leitner. The Variegated Landscape of Local Immigration Policies in the US. *Urban Geography* 32(2), pp. 156-178.

2010 Walker, Kyle E. Local Policy Responses to Immigration in the United States. *The CURA Reporter* 40(3-4), pp. 27-34.

Walker, Kyle E. Negotiating GIS and Social Theory in Population Geography. *Geography Compass* 4(6), pp. 616-629.

Software:

Walker, Kyle. tidy census: Load US Census Boundary and Attribute Data as 'tidyverse' and 'sf' Ready Data Frames. R package version 1.2. <https://CRAN.R-project.org/package=tidy census>. Downloaded 254,390 times from the RStudio CRAN mirror as of April 19, 2022.

Walker, Kyle. tigris: Load Census TIGER/Line Shapefiles into R. R package version 1.6. <https://CRAN.R-project.org/package=tigris>. Downloaded 426,647 times from the RStudio CRAN mirror as of April 19, 2022.

Walker, Kyle. mapboxapi: R Interface to 'Mapbox' Web Services. R package version 0.3.3. <https://cran.r-project.org/web/packages/mapboxapi/index.html>. Downloaded 10,872 times from the RStudio CRAN mirror as of April 19, 2022.

Walker, Kyle. idbr: R Interface to the US Census Bureau International Data Base API. R package version 1.0. <https://CRAN.R-project.org/package=idbr>. Downloaded 31,193 times from the RStudio CRAN mirror as of April 19, 2022.

Walker, Kyle. crsuggest: Obtain Suggested Coordinate Reference System Information for Spatial Data. R package version 0.3.1. <https://CRAN.R-project.org/package=idbr>. Downloaded 5,564 times from the RStudio CRAN mirror as of April 19, 2022.

Textbooks/course materials:

2018 *Analyzing US Census Data in R*. Course prepared for the DataCamp online learning platform. <https://www.datacamp.com/courses/analyzing-us-census-data-in-r>.

2017 *Getting Started with ArcGIS Mapping, The Ins and Outs of ArcGIS Data Analysis, and Advanced Mapping with ArcGIS*. Video courseware prepared for Packt Publishing. <https://www.packtpub.com/authors/kyle-walker>.

2015 Crotty, Sean M., and Kyle E. Walker. *Navigating the World with GIS: A Companion to World Regional Geography*. Dubuque, IA: Kendall Hunt.

Book chapters/encyclopedia entries:

- 2018 Immigrants in US Suburbs. In *The Routledge Companion to the Suburbs*, Hanlon, B., and T.J. Vicino, eds. London: Routledge, pp. 193-207.
- 2016 Geography of immigration or immigrants. *Oxford Bibliographies in Geography* (peer-reviewed).
- 2013 Walker, Kyle E. Commuting. *The Encyclopedia of Global Human Migration* (peer-reviewed).
- 2009 Walker, Kyle. Border Commuters. In *The Palgrave Dictionary of Transnational History*, Iriye, Akira, and Pierre-Yves Saunier, eds. New York: Palgrave MacMillan, pp. 98-99.

Book reviews:

- 2011 Of Hanlon, B., Short, J.R., and Vicino, T.J. (2010). Cities and Suburbs: New Metropolitan Realities in the US. *Journal of Planning Education and Research* 31, pp. 351-353.

Professional reports/other publications:

- 2015 Walker, Kyle E. RPubS: Assorted data analysis and visualization tutorials in the R programming language. <http://rpubs.com/walkerke>.
- 2014 Walker, Kyle E. Teaching with Interactive Data Visualization. *Insights into Teaching and Learning* (Fall issue), TCU Koehler Center: http://issuu.com/tcuelearning/docs/14_fall_insights_final.
- 2012 Hurst, Anne L., Kyle E. Walker, Derek Y. Darves-Bornoz, Matthew J. Price, and Susan T. Erdey. State of the Clergy 2012: A Report for The Episcopal Church. Office of Research, Church Pension Group.
- 2012 Darves-Bornoz, Derek Y., Susan T. Erdey, Anne L. Hurst, Matthew J. Price, and Kyle E. Walker. Whither Thou Goest: Assessing the Current State of Seminaries and Seminarians in The Episcopal Church. Office of Research, Church Pension Group.
- 2012 Price, Matthew J., Derek Darves-Bornoz, Susan Erdey, Anne Hurst, and Kyle Walker. The Hymnal Revision Feasibility Study: A Report to the Standing Commission on Liturgy & Music. Office of Research, Church Pension Group.
- 2008 Walker, Kyle. Immigration, Suburbia, and the Politics of Population in US Metropolitan Areas. Minnesota Population Center Working Paper Series, Working Paper 2008-05.

PRESENTATIONS

Conference presentations:

- 2021 Spatial Demography with Open Source Tools. Presentation at the annual meeting of the Population Association of America, May 5 (conference held online).
- 2017 The separate destinations of Millennials in US metropolitan areas. Paper presentation at the annual meeting of the American Association of Geographers, April 8, Boston, MA.
- 2015 Immigration and the “Great Inversion.” Paper presentation at the annual meeting of the Association of American Geographers, April 24, Chicago, IL.
- 2014 Locating neighborhood diversity in the American metropolis. Paper presentation at the Race, Ethnicity, Place conference, October 23, Fort Worth, TX.
- Destinations of “baby boomer” migrants in US metropolitan areas. Paper presentation at the annual meeting of the Association of American Geographers, April 11, Tampa, FL.
- 2013 A geographic classification scheme for high-risk neighborhoods for cardiovascular disease in Texas (with Sean Crotty). Presentation at the American Heart Association Scientific Sessions, November 18, Dallas, TX.
- Evaluating the “demographic inversion” hypothesis. Paper presentation at the annual meeting of the Association of American Geographers, April 12, Los Angeles, CA.
- 2012 The Role of Geographic Context in the Local Politics of Immigration in the US. Paper presentation at the annual meeting of the Association of American Geographers, February 26, New York, NY.
- 2010 Nationalism, Scale, and the Local Politics of Immigration in the US. Paper presentation at the annual meeting of the Association of American Geographers, April 15, Washington, DC.
- 2009 The Geographical Dynamics of Political Polarization in Metropolitan Minneapolis-St. Paul. Paper presentation at the annual meeting of the West Lakes Division of the Association of American Geographers, October 30, St. Paul, MN.
- Suburbia and the Localization of Immigration Policy in the US. Paper presentation at the Diverse Suburb: History, Politics, and Prospects conference, October 23, Hempstead, NY.

The Localization of Immigration Policy in the US. Poster presentation at University of Minnesota Student Scholar and Public Engagement Showcase, October 7, Minneapolis, MN.

The Variegated Landscape of Local Immigration Policies in the US (w/Helga Leitner). Paper presentation at the annual meeting of the Association of American Geographers, March 24, Las Vegas, NV.

2008 Immigration, Suburbia, and the Politics of Population in US Metropolitan Areas. Paper presentation at the annual meeting of the Association of American Geographers, April 18, Boston, MA.

2007 Immigration, Politics, and Place in Minneapolis-St. Paul, Minnesota. Paper presentation at the annual meeting of the Association of American Geographers, April 18, San Francisco, CA.

Other conference participation:

2015 Co-organizer (with Chris Strunk) for the session “Demographic Change in New Immigrant and Refugee Destinations.” Annual meeting of the Association of American Geographers, April 24, Chicago, IL.

2010 Co-organizer and panelist for the session “Local Immigration Policy Responses in the United States.” Annual meeting of the Association of American Geographers, April 17, Washington, DC.

2009 Panelist, “Our Cohort’s Response: Graduate Students and the (Re)Theorization Project in Population Geography.” Annual meeting of the Association of American Geographers, March 26, Las Vegas, NV

Co-organizer (with Tatiana Matejskova) and chair for the session “Re-scaling the National: The Transformation of Immigration Policies in the US and Europe.” Annual Meeting of the Association of American Geographers, March 24, Las Vegas, NV.

Workshops and invited talks:

2022 Using the new 2020 decennial Census and American Community Survey data in R. Series of workshops given for the University of Michigan’s Social Science Data Analysis Network. March.

2021 Accessing and Analyzing US Census Data with R. Series of workshops given for the University of Michigan’s Social Science Data Analysis Network. March.

- 2020 Using Mapbox Tools for Spatial Data Science in R. "MasterClass" workshop given for the University of Pennsylvania's Masters of Urban Spatial Analysis program. October 8.
- 2018 Working with US Census Data in R. Presentation given to the Rutgers University Department of Linguistics. November 9.
- Analyze US Census Data in R with tidycensus. Presentation given to the R Group for Biosurveillance, International Society for Disease Surveillance. February 19. <https://www.surveillancerepository.org/analyze-us-census-data-r-tidycensus>.
- 2017 Data visualization and the GIS professional. Featured speaker at the Texas GIS Forum, Austin, TX, October 25.
- The inverted city. Invited speaker, Back-to-Class fundraiser and lecture series, TCU AddRan College of Liberal Arts.
- 2016 Cities and people. Invited speaker, Fort Worth Women's Policy Forum, Fort Worth, TX, October 21.
- Studying cities with open data. Invited speaker, R.D. Alexander lecture and workshop series, Fort Worth, TX, April 1.
- 2015 Immigration and the 'great inversion.' University of North Texas Department of Geography Seminar Series, October 16.
- Visualizing the changing landscape of US immigration. Invited speaker, New History at Old Red Conference, Dallas, TX, September 19.
- Data visualization. Invited speaker, Texas Library Association annual conference, Austin, TX, April 16.
- The art and science of data visualization. Invited speaker, Big 12 Development Conference, Fort Worth, TX, March 30.
- 2014 Interactive data visualization with free and open-source tools. Workshop as part of the R.D. Alexander Lecture and workshop series, Fort Worth, TX, April 3.
- Teaching with interactive data visualization. Teaching and Learning Conversation workshop at the Koehler Center for Teaching Excellence, TCU, Fort Worth, TX, March 26.
- 2013 GIS and the TCU Institute for Urban Living and Innovation. Invited speaker, TCU AddRan Board of Visitors meeting, Fort Worth, TX, July 25.

- 2012 Implications of a Shrinking Church. Invited speaker, Church Insurance Corporation board meetings, Bennington, VT, May 22.
- 2011 Mapping the Episcopal Church. Invited speaker, Episcopal Business Administrators Conference, New York, NY, September 29.
- 2010 What Cather Tells Us: Contemporary Immigration to the Upper Midwest. Invited speaker, Willa Cather's *My Ántonia* Compleat Immersion program, University of Minnesota Continuing Education, St. Paul, MN, February 27.
- The Variegated Landscape of Local Immigration Policies in US Metropolitan Areas. Invited speaker, Minnesota Population Center Seminar Series, Minneapolis, MN, February 22.
- 2007 Immigrant Settlement Patterns in the Twin Cities, Minnesota. Invited Speaker, TASI Summer Institute on Immigration and Citizenship, Minneapolis, MN.

TEACHING EXPERIENCE

Texas Christian University:

GEOG 10003: World Regional Geography
 GEOG 10023: An Urban World: Introduction to Urban Studies
 GEOG 30313: Introduction to GIS
 GEOG 30323: Data Analysis & Visualization
 GEOG 30753: Population Geography
 GEOG 30793: Sports, Geography, & Society
 GEOG 40313: Advanced GIS
 GEOG 40323: Urban and Business Applications of GIS

Honors thesis committees:

Tate Smith (supervisor)
 Tiffany Huff (supervisor)
 Stephen Lopez (member)
 Allison Mather (member)

University of Minnesota:

GEOG 3381/GLOS 3701: Population in an Interacting World (instructor & teaching assistant)
 GEOG 3374: The City in Film (teaching assistant)

FELLOWSHIPS, GRANTS, AND HONORS

External funding:

- 2017-2023 Demographic Inversion in US Metropolitan Areas. National Science Foundation Geography and Spatial Sciences Program, BCS-1739662: \$283,983.
- 2009 National Science Foundation Doctoral Dissertation Research Improvement Grant, BCS-0902685: \$11,333

Internal funding:

- 2016 Grant Submission Incentive Program, AddRan College, TCU: \$5,000.
- 2015 Grant Submission Incentive Program, AddRan College, TCU: \$5,000.
- 2014 Instructional Development Grant, TCU: \$1,831.
- Junior Faculty Summer Research Program, TCU Office of Research: \$6,000.
- Research and Creative Activities Fund grant, TCU Office of Research: \$3,750.
- Grant Submission Incentive Program, AddRan College, TCU: \$5,000 (with Sean Crotty)
- Small grants program, Institute for Urban Living and Innovation, Texas Christian University: \$2,000 (with Sean Crotty)
- 2013 Junior Faculty Summer Research Program, TCU Office of Research: \$6,000
- 2012 Small grants program, Institute for Urban Living and Innovation, Texas Christian University: \$2,000
- 2010-11 Doctoral Dissertation Fellowship, the Graduate School, University of Minnesota: \$22,500 plus tuition
- 2009-10 Interdisciplinary Doctoral Fellowship, Minnesota Population Center and the Graduate School, University of Minnesota: \$22,500 plus tuition
- 2009 Thesis Research Grant, the Graduate School, University of Minnesota: \$2,500
- 2009 *New Initiatives* Research Grant, Center for Urban and Regional Affairs, University of Minnesota: \$4,355

- 2008-09 Darrell Haug Davis Memorial Fellowship, Department of Geography, University of Minnesota: \$16,000 plus tuition
- 2008 Graduate Research Partnership Program Fellowship, University of Minnesota: \$4,000
- 2007 Minnesota Population Center Proposal Development Grant: \$6,000
- 2007 Summer Research Fellowship, Department of Geography, University of Minnesota: \$2,500
- 2006 Summer Research Support Grant, Department of Geography, University of Minnesota: \$1,500
- 2005-06 University of Minnesota Graduate School Fellowship: \$17,500 plus tuition

Awards and honors:

- 2011 First Place, Student Paper Competition, Urban Geography Specialty Group of the Association of American Geographers (co-winner)
- 2010 Brown Prize for best graduate student publication, Department of Geography, University of Minnesota (co-winner)
- 2010 First Place, Student Paper Competition, Political Geography Specialty Group of the Association of American Geographers
- 2009 Second Place, PhD Student Paper Competition, West Lakes Division of the Association of American Geographers
- 2008 First Place, Student Paper Competition, Population Specialty Group of the Association of American Geographers

SERVICE

At Texas Christian University:

- 2022- Incoming department chair, Department of Geography
- 2020 Interim undergraduate advisor, Department of Geography
- 2018-19 Chair, geographic data science faculty search committee
- 2017-2018 Member, TCU Research Policy Advisory Committee

- 2016- Website administrator, Department of Geography
- 2016-19 Member, TCU Technology Committee
- 2016-18 Member, Curriculum Committee, TCU AddRan College of Liberal Arts
- 2015 Member, human-environment geography faculty search committee
- 2014 Organizer, Data Visualization Faculty Interest Group, Texas Christian University
- 2012- Geography Curriculum Committee, Department of History & Geography, Texas Christian University
- 2014 Member, Economic Geography search committee

At the University of Minnesota:

- 2008-09 Organizing Committee, Global Race, Ethnicity, and Migration Seminar Series, Immigration History Research Center, University of Minnesota
- 2007-10 Immigration History Research Center Faculty-Student Advisory Council, University of Minnesota

To the profession:

Editorial board member: *Focus on Geography, Population Research & Policy Review*

Manuscript reviewer for *Urban Studies, Urban Geography, Social Problems, Annals of the Association of American Geographers, Urban Affairs Review, American Journal of Political Science, Journal of Ethnic and Migration Studies, Applied Geography, Antipode, Health and Place, Ethnic and Racial Studies, Journal of Statistical Software, GeoJournal, City & Community, Political Geography, Population Research & Policy Review, Focus on Geography*
