

Craig Wesley Carpenter

Michigan State University
446 W. Circle Drive
East Lansing, MI 48824, U.S.A.

517-432-7604
cwcarp@msu.edu
www.DrCWCarpenter.com

I. EDUCATION

- Ph.D. Agricultural, Food, and Resource Economics, Michigan State University, 2016.
Areas of concentration: Economic Development, Econometrics and Statistics.
- B.A. Political Science, Economics and Business, Kalamazoo College, 2011. Program included year of study at the London School of Economics, London, England.

II. EXPERIENCE

- 2023- *Economist*, United States Census Bureau, Small Area and Longitudinal Estimates – Social, Economic, & Housing Statistics Division (consultant)
- 2022- *Assistant Professor*, Michigan State University, Department of Ag., Food, and Resource Economics
- 2019-2022 *Extension Specialist*, Michigan State University, Community, Food, & Environment Institute
- 2019-2022 *Associate Director*, Texas A&M University, Texas Federal Statistical Research Data Center
- 2016-2022 *Assistant Professor & Extension Specialist*, Texas A&M University, Department of Ag. Economics (Promotion to *Associate Professor* approved 2022)
- 2011-2016 *Research Assistant*, Michigan State University, Department of Ag., Food, and Resource Economics; North Central Regional Center for Rural Development
- 2014-2015 *Visiting Instructor*, Albion College, Department of Economics and Management
- 2010-2011 *Teaching Assistant*, Kalamazoo College, Department of Economics and Business

III. AWARDS AND HONORS

- 2024 *National Extension Diversity Award*, U.S. Department of Agriculture, National Institute of Food and Agriculture, and Cooperative Extension System's Extension Committee on Organization and Policy, via Association of Public and Land-Grant Universities.
- 2023 *Distinguished Extension/Outreach Program Group Award*, Agricultural and Applied Economics Association (AAEA)
- 2023 *Current Research Award*, Community Development Society
- 2023 *Innovative Program Award*, Community Development Society
- 2023 *Michigan Council of Extension Associations John A. Hannah Award for Program Excellence*, Michigan State University (MSU) Extension
- 2023 *Award for Excellence in Outreach*, Department of Agricultural, Food, and Resource Economics (AFRE), MSU

2023	<i>Award for Excellence in Teaching, AFRE, MSU</i>
2022	<i>Best Publication Award, AAEA, Health Economics Section</i>
2022	<i>Leadership Award, Mid-Continent Regional Science Association</i>
2022	<i>Extension Educational Materials Award, North Central & national winner, National Association of Community Development Extension Professionals</i>
2021	<i>Early Career Award, Mid-Continent Regional Science Association</i>
2021	<i>Research Fellow, Western Center for Metropolitan Extension & Research</i>
2019	<i>Annie E. Casey Foundation Research Fellow, Rural Policy Research Institute</i>
2016	<i>Dissertation Completion Fellowship, AFRE, MSU</i>
2015	<i>Glenn & Sandy Johnson Dissertation Enhancement Fellowship, AFRE, MSU</i>

IV. RESEARCH

Journal Articles – Refereed

Anders, John, and Craig Wesley Carpenter. 2024. “Long Run Labor Market Changes and Local Military Service in the 911 Era.” *The Quarterly Review of Economics and Finance*, revise and resubmit.

Van Sandt, Anders, Craig Wesley Carpenter, Scott Loveridge, Rebekka Dudensing, and Linda Niehm. 2024. “Revealing U.S. Retail Industries’ Functional Hierarchy Through Demand Thresholds.” *Journal of Economic Structures*, revise and resubmit.

Lotspeich-Yadao, Michael, Charles M. Tolbert, and Craig Wesley Carpenter. 2024. “The Propensity of Veteran-owned Firms to Provide Employee Benefit Programs.” *Armed Forces & Society*, revise and resubmit.

Lotspeich-Yadao, Michael, Craig Wesley Carpenter, Charles Tolbert, Christina Kamis, Caitlin Kownacki, and Jennifer McCaffrey. 2024. “Using machine learning in the measurement of neighborhood effects: A research note on hierarchical clustering and commuting zones at the census tract level.” *Spatial Demography*, revise and resubmit.

Ingrao, Adam, Craig Wesley Carpenter, Michael Lotspeich-Yadao, and Charles M. Tolbert. 2024. “Are Extension Agriculture Programs Hitting Their Target with Military Veterans?” *Journal of Extension*, forthcoming.

Anders, John, Mary E. Campbell, Craig Wesley Carpenter, and Luna Chandna. 2024. “Ethnoracial Transformations? Linking Administrative Data to Explain Changes in Identification.” *RSF: The Russell Sage Foundation Journal of the Social Sciences*, forthcoming.

Deming, Kristopher, Craig Wesley Carpenter, and John Anders. 2024. “Does Military Service Help Minoritized and Women Business Owners? Descriptive Evidence from “Vetrepreneur” Outcomes.” *Journal of Entrepreneurship and Public Policy*, available in EarlyCite. <https://doi.org/10.1108/JEPP-07-2023-0063>

Ingrao, Adam, Craig Wesley Carpenter, Kristopher Deming, Michael Lotspeich-Yadao, and Charles M. Tolbert. 2024. “U.S. Farm Bill Policies to Support America’s Heroes.” *Choices*,

39(3). <https://www.choicesmagazine.org/choices-magazine/submitted-articles/us-farm-bill-policies-to-support-americas-heroes>

Van Sandt, Anders, Raju Pokharel, Craig Wesley Carpenter, and Scott Loveridge. 2024. "Improving Models of Wood Products Plant Locations with Restricted Access Data." *Forest Policy and Economics*, 167, 103303. <https://doi.org/10.1016/j.forpol.2024.103303>

Anders, John, Craig Wesley Carpenter, Katherine Ann Willyard, and Bethany DeSalvo. 2024. "A Research Note on Community Resilience Estimates: New U.S. Census Bureau Data with an Application to Excess Deaths from COVID-19." *Demography*, 61(3): 627-642. <https://doi.org/10.1215/00703370-11374710>

Carpenter, Craig Wesley, Kristopher Deming, John Anders, Michael Lotspeich-Yadao, Charles M. Tolbert, and Adam Ingraio. 2024. "Do Payday Lending Bans Protect or Constrain Regional Economies? Evidence from the Military Lending Act's Final Rule." *Contemporary Economic Policy*, 42(2): 319-335. <https://doi.org/10.1111/coep.12636>

Staples, Aaron, Kristopher Deming, Trey Malone, Craig Wesley Carpenter, and Stephan Weiler. 2024. "Pouring the Paycheck Protection Program into craft beer: PPP employment effects in service-intensive industries." *Journal of Business Venturing Insights*, 21, e00444. <https://doi.org/10.1016/j.jbvi.2023.e00444>

Mencken, F. Carson, Craig Wesley Carpenter, Michael Lotspeich-Yadao, and Charles M. Tolbert. 2023. "Bank on it: Do Local Banks Contribute to Rural Community Prosperity?" *Rural Sociology*, 88(3): 657-681. <http://doi.org/10.1111/ruso.12488>

Carpenter, Craig Wesley, Tyler Augst, Harmony Fierke-Gmazel, Bradley Nuemann, and Richard Wooten. 2023. "Pursuing Antiracist Public Policy Education: An Example Connecting the Racist History of Housing Policy to Contemporary Inequity." *Journal of Extension*, 61(1): 2. <https://doi.org/10.34068/joe.61.01.02>

Van Sandt, Anders, Craig Wesley Carpenter, and Charles M. Tolbert. 2023. "Decomposing Local Bank Impacts with Demand Thresholds." *The Annals of Regional Science*, 70: 333-352. <https://doi.org/10.1007/s00168-022-01148-4>

Carpenter, Craig Wesley, Anders Van Sandt, and Scott Loveridge. 2022. "Food and Agricultural Industry Locational Determinants Research: Aggregation Bias and Size Measurement in the Agricultural Support Industry." *Agricultural and Resource Economics Review*, 51(3): 558-578. <https://doi.org/10.1017/age.2022.21>

Carpenter, Craig Wesley, Anders Van Sandt, Rebekka Dudensing, Scott Loveridge, and Linda Niehm. 2022. "The Economic Opportunity Mapping (EOM) Tool." *Journal of Extension*, 60(4): 3. <https://doi.org/10.34068/joe.60.04.03>

Carpenter, Craig Wesley, Michael Lotspeich-Yadao, and Charles M. Tolbert. 2022. "When to Use Commuting Zones? An Empirical Description of Spatial Spillover Effects in U.S. Counties

versus Commuting Zones.” *PLOS One*, 17(7): e0270303.
<https://doi.org/10.1371/journal.pone.0270303>

Carpenter, Craig Wesley, Anders Van Sandt, and Scott Loveridge. 2022. “Measurement Error in U.S. Regional Economic Data.” *Journal of Regional Science*, 62(1): 57-80.
<https://doi.org/10.1111/jors.12551>

Carpenter, Craig Wesley, Rebekka Dudensing, and Anders Van Sandt. 2022. “Estimating Determinants of Establishment Locations of Transportation and Warehousing Industries Using U.S. Administrative Data.” *REGION*, 9(1): 1–27. <https://doi.org/10.18335/region.v9i1.366>

Carpenter, Craig Wesley, Anders Van Sandt, Rebekka Dudensing, and Scott Loveridge. 2022. “Profit Pools and Determinants of Potential County-Level Manufacturing Growth.” *International Regional Science Review*, 45(2), 188-224. <https://doi.org/10.1177/01600176211028761>

Carpenter, Craig Wesley, and Scott Loveridge. 2021. “Can Latinx Entrepreneurship Help Rural America?” *Choices*, 36(4): 1-6. <https://www.choicesmagazine.org/choices-magazine/submitted-articles/can-latinx-entrepreneurship-help-rural-america>

Carpenter, Craig Wesley, Anders Van Sandt, and Scott Loveridge. 2021. “Empirical Methods in Business Location Research.” *Regional Studies, Regional Science*, 8(1): 344-361.
<https://doi.org/10.1080/21681376.2021.1976261>

Carpenter, Craig Wesley, and J. Matthew Fannin. 2021. “Back to the Future: Re-Incorporation of ‘Metropolitan Character’ in Core-Based Statistical Area Delineations.” *Journal of Regional Analysis and Policy*, 51(2): 67-81. <https://jrapscholasticahq.com/article/27688-back-to-the-future-re-incorporation-of-metropolitan-character-in-u-s-core-based-statistical-area-delineations>

Van Sandt, Anders, Craig Wesley Carpenter, Scott Loveridge, and Rebekka Dudensing. 2021. “Estimating Determinants of Health Care Establishment Locations with Restricted Federal Administrative Data.” *Health Economics*, 30(6): 1328-1346. <http://doi.org/10.1002/hec.4242>
(*Agricultural and Applied Economics Association*, Health Economics Best Publication Award)

Carpenter, Craig Wesley, Scott Loveridge, and Maureen Mickus. 2021. “Research Note: Age, Retirement, and Intertemporal Resource Decision Ability.” *Journal of Consumer Affairs*, 55(2): 542-555. <https://doi.org/10.1111/joca.12353>

Carpenter, Craig Wesley, F. Carson Mencken, Charles Tolbert, and Michael Lotspeich. 2020. “Locally Owned Bank Concentration and New Business Start-Ups in Metropolitan, Micropolitan and Non-Core Rural Counties from 1970-2010.” *Review of Regional Studies*, 50(1): 17-42.
<https://doi.org/10.52324/001c.11479>

Carpenter, Craig Wesley, and Scott Loveridge. 2020. “Business, Owner, and Regional Characteristics in Latino-owned Business Growth: An Empirical Analysis Using Confidential Census Microdata.” *International Regional Science Review*, 43(3): 254-285.
<https://doi.org/10.1177/0160017619826278>

Carpenter, Craig Wesley, David Anderson, and Rebekka Dudensing. 2019. "The Effects of Oil Drilling on Local Human Capital Investment." *Journal of Agricultural and Applied Economics*, 51(2): 199-218. <https://doi.org/10.1017/aae.2018.34>

Carpenter, Craig Wesley, and Scott Loveridge. 2019. "A spatial model of growth relationships and Latino-owned business." *The Annals of Regional Science*, 63(3): 541-557. <https://doi.org/10.1007/S00168-019-00942-x>

Carpenter, Craig Wesley, and Scott Loveridge. 2019. "Factors Associated with Latino-Owned Business Survival in the United States." *Review of Regional Studies*, 49(1): 73-97. <https://doi.org/10.52324/001c.7933>

Carpenter, Craig Wesley, and Scott Loveridge. 2018. "Differences between Latino-Owned Businesses and White, Black, or Asian-Owned Businesses: Evidence from Census Microdata." *Economic Development Quarterly*. 32(3): 225-241. <https://doi.org/10.1177/0891242418785466>

Carpenter, Craig Wesley, and Scott Loveridge. 2017. "Immigrants, Self-Employment, and Growth in American Cities." *Journal of Regional Analysis and Policy*, 47(2): 100-109. <https://jrap.scholasticahq.com/article/7840-immigrants-self-employment-and-growth-in-american-cities>

United States Census Bureau, Center for Economic Studies, Paper Series

Anders, John, and Craig Wesley Carpenter. 2021. "The Long Run Effects of Military Service: Evidence from the 911 Attacks." *United States Census Bureau, Center for Economic Studies*, Paper No. CES 21-36. <https://www.census.gov/library/working-papers/2021/adrm/CES-WP-21-36.html>

Van Sandt, Anders, and Craig Wesley Carpenter. 2021. "A Note on the Locational Determinants of the Agricultural Supply Chain." *United States Census Bureau, Center for Economic Studies*, Paper No. CES-21-16. <https://www.census.gov/library/working-papers/2021/adrm/CES-WP-21-16.html>

Carpenter, Craig Wesley, F. Carson Mencken, Charles Tolbert, and Michael Lotspeich. 2018. "Locally Owned Bank Commuting Zone Concentration and Employer Start-Ups in Metropolitan, Micropolitan and Non-Core Rural Commuting Zones from 1980-2010." *United States Census Bureau, Center for Economic Studies*. <https://ideas.repec.org/p/cen/wpaper/18-34.html>

Carpenter, Craig Wesley. 2016. "The Impact of Latino-Owned Business on Local Economic Performance." *United States Census Bureau, Center for Economic Studies*, Paper No. CES-WP-16-34. <http://dx.doi.org/10.2139/ssrn.2817490>

Carpenter, Craig Wesley. 2016. "The Dynamics of Latino-Owned Business with Comparisons to Other Ethnicities." *United States Census Bureau, Center for Economic Studies*, Paper No. CES-WP-16-33. <http://dx.doi.org/10.2139/ssrn.2817448>

Research Presentations

Dr. Carpenter has presented his research at more than 70 international, national, regional, and state conferences. A full list is available upon request.

V. GRANTS AND CONTRACTS

Funding Received (PI, Co-PI), total \$3,825,568

Anders, John, and Craig Wesley Carpenter. 2024-2026. “Redlining in Rural America? Data Collection to Inform Contemporary Rural Economic Development.” *USDA National Institute of Food and Agriculture*. \$300,000 (Carpenter \$49,117).

Van Sandt, Anders, Craig Wesley Carpenter, Scott Loveridge, and Cris Meier. 2023-2027. “Responding To America’s Rural Health Challenge: Data-Driven Support for a Critical Era.” *USDA National Institute of Food and Agriculture*. \$649,943 (Carpenter \$60,712).

Carpenter, Craig Wesley. 2023-2025. “Identifying the effect of the Supplemental Nutrition Assistance Program eligibility/purchasing-power policies on labor-market and health outcomes.” *Robert Wood Johnson Foundation*. \$100,000 (Carpenter \$100,000).

Lotspeich-Yadao, Michael, Craig Wesley Carpenter, Jennifer McCaffrey, and Caitlin Murray Kownacki. 2023-2025. “Using journey-to-work data to more accurately contextualize Special Nutrition Assistance Program eligibility/participation rates in rural areas.” *Robert Wood Johnson Foundation*. \$99,919 (Carpenter \$28,568).

Campbell, Mary, John Anders, and Craig Wesley Carpenter. 2022-2025. “Explaining Changes in Racial Identification across Time and Place.” *National Science Foundation*. \$400,000 (Carpenter \$58,747).

Carpenter, Craig Wesley, John Anders, Marcus Bernard, Trey Malone, and Charles M. Tolbert. 2022-2026. “Documenting Discrimination and Researching Policy: Racial Inequality and Economic Opportunity in Rural America 1920-2020.” *USDA National Institute of Food and Agriculture*. \$650,000 (Carpenter \$390,000).

Anders, John, and Craig Wesley Carpenter. 2022-2023. “Can Education Fight Inherited Inequity? Using Administrative Data to Measure the Direct, Intergenerational, and Interactive Impacts of Redlining and Education.” *Russell Sage Foundation*. \$170,881 (Carpenter \$31,178).

McCarl, Bruce, Chengcheng Fei, Craig Wesley Carpenter, and Ronald Sands. 2022-2023. “Impact of Climate Change on Agricultural Processing Facility Movement and Food Dollar.” *USDA Economic Research Service*. \$75,000 (Carpenter \$20,000).

Lotspeich-Yadao, Michael, Craig Wesley Carpenter, and Charles Tolbert. 2021-2023. “Data-Driven Extension Programming for Rural Veteran Workforce Reintegration.” *USDA National Institute of Food and Agriculture*. \$125,933 (Carpenter \$125,933), awarded and returned due to postdoctoral fellow (Lotspeich-Yadao) faculty placement.

Van Sandt, Anders, Craig Wesley Carpenter, and Alison Davis. 2020-2022. “At Risk Community Mapping: Evaluating Access to Healthcare in Rural America.” *USDA National Institute of Food and Agriculture*. \$165,000 (Carpenter \$165,000), awarded and returned due to postdoctoral fellow (Van Sandt) faculty placement.

Carpenter, Craig Wesley, Charles Tolbert, Adam Ingraio, Rick Peterson. 2018-2023. “Leveraging Big Data to Investigate and Support ‘Vetpreneurs.’” *USDA National Institute of Food and Agriculture*. \$500,000 (Carpenter \$178,715).

Carpenter, Craig Wesley. 2018-2020. “Building Entrepreneurial Communities: Year 2.” *Texas Community Development Institute*. \$900 (Carpenter \$900). Invited. (3 separate \$300 contracts.)

Skaff, Rebecca, Craig Wesley Carpenter, Diana Jones, Steven Klose, George McWhorter, John Penson, Jr., Kalu Senarath Dharmasena, Victoria Salin, and Robert Strong, Jr. 2019. “Philippines: Agricultural Credit and Finance.” *USDA Foreign Agricultural Service*. \$61,592 (Carpenter \$1,000).

Carpenter, Craig Wesley, Rebekka Dudensing, Scott Loveridge, and Linda Niehm. 2017-2021. “Mapping Economic Opportunity in Rural America: Mining Big Data for Decision Making in Business Development.” *USDA National Institute of Food and Agriculture*. \$500,000 (Carpenter \$323,736).

McDonald, Ronnie, John Cooper, Rebekka Dudensing, Craig Wesley Carpenter, Jimmy Henry, Jamie Rae Walker, and Kevin Andrews. 2016-2017. “Stronger Economies Together, Phase VI.” *USDA Rural Development*. \$26,400 (Carpenter \$5,280).

VI. EXTENSION AND OUTREACH

Facilitates community and regional economic workshops across Michigan to help communities identify and implement economic opportunities with a high likelihood of success. Conducts research on regional minority entrepreneurship, and quality of life relevant to maintaining populations, jobs, and income. Works with graduate students, postdoctoral scholars, and facilitates trainings for economic development professionals, stakeholders, public officials, and Extension educators to foster understanding of tools and research in economic development.

Extension and Outreach Publications and Presentations

Dr. Carpenter has written over 75 Extension/outreach publications, produced blog posts, provided interviews for popular press articles, developed the Economic Opportunity Mapping Tool – which was adopted by Texas A&M AgriLife Extension Service, Michigan State University Extension, and University of Wyoming Extension – and presented at over 70 Extension/outreach conferences and meetings. He also researched and developed the [History of Redlining in Michigan](#) website, which has over 20,000 pageviews since it was first published in July 2021. It has been integrated into MSU Extension housing programs, invited to be presented by the *National Land Use Planning Community of Practice* to provide Certification Maintenance by the *American Planning Association* and the *American Institute of Certified Planners (AICP)*, and by the Michigan State Housing Development Authority (MSHDA). It was cited multiple times in MSHDA’s first Statewide Housing Plan and won national awards from the *National Association of Community Development Extension Professionals*, *Community Development Society*, *Agricultural and Applied Economics Association*, *USDA National Institute of Food and Agriculture* and the *Cooperative Extension System’s Extension Committee on Organization and Policy*. A full list of Extension projects, publications, and presentations is available upon request.

VII. TEACHING AND MENTORSHIP

Doctoral Students

Alfaro-Gonzalez, Fernanda. 2026, expected. Member.

Lee, Seowoo. 2025, expected. Member.

Keene, Thomas. 2024. “Essays in Regional Economics: Nutrition Assistance, Pharmaceutical Marketing, and Tribal Business Activity.” Co-Chair. Placement: University of Kentucky, Department of Agricultural Economics, tenure-track Assistant Professor.

Master’s Students

Quintero, José. 2023. “Public Transportation Investments and their Relation to Food Consumption Patterns.” Chair. Placement: University of Arizona, Department of Agricultural and Resource Economics, Cooperative Extension.

Beaty, Taylre. 2019. “An Overview of Rural Broadband Policy Analysis, Challenges and Opportunities.” Member. Placement: United States Department of Agriculture, Office of Rural Development.

Postdoctoral Research Associates

Kim, Heejin. 2023-2025.

Deming, Kristopher. 2022-2023. Placement: United States Air Force Academy, Department of Economics and Geosciences, tenure-track Assistant Professor.

Anders, John. 2019-2020. Placement: Trinity University, Department of Economics, tenure-track Assistant Professor.

Van Sandt, Anders. 2018-2020. Placement: University of Wyoming, Department of Agricultural and Applied Economics, tenure-track Assistant Professor.

Teaching Experience

Organization of the Agri-Food Systems (Michigan State University, 2022-2025)

Economics and Management Statistics (Albion College, 2015)

Intermediate Microeconomics (Albion College, 2014-2015)

Principles of Microeconomics (Albion College, 2014-2015)

VIII. SERVICE

Journal Article Reviewer

Agricultural and Resource Economics Review; Agricultural Water Management; The Annals of Regional Science; Applied Economics; Applied Economics Letters; Applied Geography; Applied Sciences; Choices; Cities; Economic Development Quarterly; Eurasian Business Review; International Journal of Mass Emergencies and Disasters; International Regional Science Review; Journal of Agricultural and Applied Economics; Journal of Regional Analysis and Policy; Journal of Regional Science; Journal of Rural and Community Development; Latino

Studies; Papers in Regional Science; PLOS One; REGION; Review of Regional Studies; Scientific Reports; Small Business Economics; Southern Economic Journal.

Service and Leadership Role Highlights

Agricultural and Applied Economics Association, Extension Section, Chair-elect, 2024-2025; Community and Regional Economics Network (CRENET) Section, Past-Chair, 2022-2023; Chair, 2021-2022; Chair-elect, 2020-2021.

Agricultural and Resource Economics Review, Associate Editor, 2024-2026

National Association of Community Development Extension Professionals (NACDEP), Finance Committee, Chair, 2021-present.

NE2249: Sustainable and Inclusive Rural Economic Development to Enhance Housing, Health, Entrepreneurship, and Equity (USDA-funded multistate research project group, as President led renewal of former group, NE1749: Enhancing Rural Economic Opportunities, Community Resilience, and Entrepreneurship), President, 2021-2022; President-elect, 2020-2021.

Mid-Continent Regional Science Association, Past-President, 2022-2023; President, 2021-2022; President-elect, 2019-2021; Vice President, 2018-2019.

Michigan State University, Department of Agricultural, Food, and Resource Economics, committee service: Department Advisory, 2024-2026; Peer Mentoring, 2024-2026; Graduate Admissions & Recruitment, 2022-2025; Undergraduate Policy 2022-2024; faculty search committees, 2024, 2023, 2022.

Texas A&M University, Council of Principal Investigators, elected representative, 2017-2022.

Texas A&M University, Department of Agricultural Economics, Faculty Advisory Committee, 2021-2022.

United States Census Bureau, Federal Statistical Research Data Center Projects require pre-agreed outputs to improve Census Bureau data in addition to the research efforts. The projects thus contain both research and service components. Projects IL2885 Co-PI; MC2875 PI; CO2716 Co-PI; TX2297 PI; TX2120 Co-PI; TX1835 PI; TX1320 Co-PI; AT1215 PI.