

MCKENZIE BOYCE

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EDUCATION

University of Wisconsin-Madison
PhD, Agricultural and Applied Economics

2026 (*expected*)

Mississippi State University

2022

MS, Agricultural Economics

Thesis: "U.S. Financial Literacy: Does Urban-Rural Residency Matter?"

University of Wisconsin-Madison

2020

BS, Agribusiness (Honors College Degree)

BS, Agricultural Communications

Summa Cum Laude

RESEARCH INTERESTS

Regional economics, community economic development, quality of life, rural livability, broadband adoption, financial literacy

PUBLICATIONS

*Formerly published under McKenzie Carvalho.

Peer-Reviewed Journal Articles

1. Boyce, M. 2024. "Willingness to Pay for Broadband: A Case Study of Wisconsin." Accepted and forthcoming in *Telecommunications Policy*. <https://doi.org/10.1016/j.telpol.2024.102873>
2. Carvalho, M., Hagerman, A., & B. Whitacre. "The Role of Telework in Building Resilience in the Southeastern United States." *Journal of Regional Analysis and Policy*, 52(1), 19-34.
3. Carvalho, M., Hagerman, A., Kenkel, P., & D. Shideler. "Differences in Supplemental Nutrition Assistance Program Participation among Oklahoma Counties." *Journal of Agriculture, Food Systems, and Community Development*, 11(3), 1-11. <https://doi.org/10.5304/jafscd.2022.113.007>

Extension Publications

1. Boyce, M., Deller, S., and Runge, K. (2023). Willingness to Pay for Broadband Internet: A Case Study of Wisconsin. The Wisconsin Economy Study Series 8. University of Wisconsin-Extension.
2. Carvalho, M., A. Kim, R. Smith, and A. Barefield. "Mississippi Economic and Financial Well-Being: Patterns and Trends." Mississippi State University Extension Report No. P3912.
3. Graff, N., Carvalho, M., Johnson, M., and A. Hagerman. (2019). "Utilizing Livestock Risk Protection (LRP) for Feeder Cattle." Oklahoma State University Extension Report No. L-472.
4. Carvalho, M., Johnson, M., and A. Hagerman. (2019). "Is Rainfall Index Pasture, Rangeland and Forage Insurance Right for You?" Oklahoma State University Extension Report No. L-471.

Popular Press

1. Carvalho, M., Hagerman, A., Whitacre, B., & T. Haddock (2022). "Broadband Adoption and Impacts on COVID-19 Unemployment Recovery in the South." *Southern Ag Today*.

2. Carvalho, M., Hagerman, A., & B. Whitacre (2022). "Research Report: Telework – and Good Broadband Connectivity – Affected Employment Levels During Pandemic." The Daily Yonder.
3. Carvalho, M. (2019). "The REAL SEAL is the Real Deal." California Dairy Magazine.
4. Carvalho, M. (2019). "Greener Pastures: Dairy Keeps the Alves Family Together." California Dairy Magazine.
5. Carvalho, M. (2019). "A Christmas Wish Fulfilled: Award-Winning Carly Olufs Paves Bright Future in Dairy." California Dairy Magazine.
6. Carvalho, M. (2020). "Embarking on New Frontiers." Cowboy Journal.

WORKS IN PROGRESS

1. Boyce, M., A. Kim, R. Smith, & J. Green. "Determinants of Financial Literacy: Does Urban-Rural Residency Matter?" (Under review)
2. Boyce, M., Deller, S., & T. Conroy. "Quality of Life Under Modeling Uncertainty." (Analysis in Progress)

EXPERIENCE

Graduate Research Assistant Agricultural and Applied Economics Department University of Wisconsin-Madison	<i>2023 - Present</i>
Grader Agricultural and Applied Economics Department University of Wisconsin-Madison	<i>2023</i>
Graduate Intern Economic Development Administration University Center University of Wisconsin-Madison	<i>2022</i>
Graduate Research Assistant Agricultural Economics Department Mississippi State University	<i>2020 - 2022</i>
Undergraduate Research Assistant Department of Agricultural Economics Oklahoma State University	<i>2017 - 2020</i>
Legislative Internship in Agriculture Ferguson College of Agriculture, Oklahoma State University	<i>2019</i>
Lloyd Noble Scholar in Agriculture Noble Research Institute	<i>2018</i>

PRESENTATIONS

Academic Conference Presentations

1. Boyce, M., S. Deller, & T. Conroy. "The Drivers of Quality of Life Under Modeling Uncertainty." Rural Sociological Society. Madison, WI. July 2024.
2. Boyce, M. & S. Deller. "Earnings, Rent, and Unemployment: Does the Introduction of Unemployment Alter Roback-Type Measures of Quality of Life?." Rural Sociological Society. Madison, WI. July 2024.

3. Boyce, M. "The Rural Livability Project: Designing Livable Places with Research." University of Vermont Research, Innovation, Sustainability, and Entrepreneurship Summit. Burlington, VT. June 2024.
4. Boyce, M., S. Deller, & T. Conroy. "The Drivers of Quality of Life Under Modeling Uncertainty." Southern Regional Science Association. Arlington, VA. April 2024.
5. Boyce, M. & S. Deller. "Earnings, Rent, and Unemployment: Does the Introduction of Unemployment Alter Roback-Type Measures of Quality of Life?." Southern Regional Science Association. Arlington, VA. April 2024.
6. Boyce, M., S. Deller, & K. Runge. "Initial Findings from the Wisconsin Broadband Survey." Southern Regional Science Association. Savannah, Georgia. April 2023.
7. Boyce, M. & E. Dobis. "Factors Influencing the Gap in American Male and Female Life Expectancy." Southern Regional Science Association. Savannah, Georgia. April 2023.
8. Carvalho, M. & E. Dobis. "Factors Influencing the Gap in American Male and Female Life Expectancy." Southern Regional Science Association. Austin, Texas. April 2022.
9. Carvalho, M., A. Kim, R. Smith, & J. Green. "Determinants of Financial Literacy: Does Urban-Rural Residency Matter?" Southern Agricultural Economics Association. New Orleans, Louisiana. February 2022.
10. Carvalho, M., & A. Kim. "Measuring Regional Financial Literacy: Comparison of Methods and Results." North American Regional Science Council. Denver, Colorado. November 2021.
11. Carvalho, M., & A. Kim. "The Urban-Rural Gap in Financial Literacy: Features and Implications." The Pennsylvania State University Rural Studies Student Conference. Online October 2021.
12. Carvalho, M., A. Kim, R. Smith, S. Turner, & A. Harri. "Analyzing Financial Literacy in the Southern United States." Agricultural and Applied Economics Association. Austin, Texas. August 2021.
13. Carvalho, M., A. Hagerman, P. Kenkel, & D. Shideler. "Differences in Supplemental Nutrition Assistance Programs among Oklahoma Counties." Agricultural and Applied Economics Association. Austin, Texas. August 2021.
14. Carvalho, M., A. Hagerman, & B. Whitacre. "Telework and COVID-19 Resiliency in the Southeastern United States." Agricultural and Applied Economics Association. Austin, Texas. August 2021.
15. Carvalho, M., A. Kim, R. Smith, S. Turner, & A. Harri. "Examining the Economic Well-Being of the Southern United States." Southern Agricultural Economics Association. Online. February 2020.
16. Carvalho, M., A. Hagerman, P. Kenkel, & D. Shideler. Differences in Supplemental Nutrition Program Participation Among Oklahoma Counties. North American Regional Science Council. Pittsburgh, Pennsylvania. November 2019.

Other Academic Presentations

1. Boyce, M. & E. Dobis. "Factors Influencing the Gap in American Male and Female Life Expectancy." United States Department of Agriculture Economic Research Service Rural Economy Branch Meeting. Online. November 2023.
2. Carvalho, M. & E. Dobis. "Factors Influencing the Gap in American Male and Female Life Expectancy." United States Department of Agriculture Economic Research Service Rural Economy Branch Meeting. Online. August 2022.

3. Carvalho, M., A. Kim, R. Smith, & J. Green. "Determinants of Financial Literacy: Does Urban-Rural Residency Matter?" Mississippi State University Graduate Student Research Symposium. Starkville, Mississippi. February 2022.
4. Carvalho, M., & B. Pratt. "What Demographic Factors Drive County-Level CRP Participation?" Farm Foundation and ERS Agricultural Scholars Capstone Project Presentation Series. Online. December 2021.
5. Carvalho, M., & A. Kim. "The Urban-Rural Gap in Financial Literacy: Features and Implications." Mississippi State University Graduate Student Research Symposium. Starkville, MS. October 2021.
6. Carvalho, M., A Kim, R. Smith, S. Turner, & A. Harri. "Examining the Economic Well-Being of the Southern United States." Mississippi State University Graduate Student Research Symposium. Online. February 2020.

Extension (Outreach) Presentations

1. Boyce, M. "Quality of Life in Wisconsin and the Madison Region." Madison Regional Economic Development & Diversity Summit. Madison, WI. May 2024.
2. Boyce, M. "Willingness-to-Pay for Broadband in Wisconsin." University of Wisconsin-Madison Chief Information Officer Virtual Office Hours. Online. May 2024.
3. Carvalho, M., A. Kim, & R. Smith. "Economic Well-Being of Mississippi: Patterns and Trends." Advancing Mississippi Conference, Mississippi Institutions of Higher Learning University Research Center. Online. September 2020.

SERVICE

NARSC Council Graduate Student Representative	2024 - 2026
AAEA CRENET Graduate Student Representative	2024 - 2025
Taylor Hibbard Club President, UW-Madison	2024 - 2025
Referee for <i>Papers in Regional Science</i>	2024
World Food Prize Wisconsin Youth Institute Expert Moderator	2024
AAEA Abstract Reviewer	2024
Taylor Hibbard Club Vice President, UW-Madison	2023 - 2024
Farm Foundation Agricultural Scholar	2020 - 2022
MSU Graduate Student Association Department Representative	2020 - 2022
Oklahoma AgCredit Student Board of Directors	2018 - 2020

AWARDS AND FUNDING

UW-Madison Agricultural and Applied Economics Research Presentation Travel Award (\$400)	2021
Science and Medicine Graduate Research Scholars Fellowship	2022
Mississippi State University Travel Assistance Grant for Graduate Students (\$800)	2021
OSU Ferguson College of Agriculture Louis and Betty Gardner Outstanding Senior	2020
OSU Ferguson College of Agriculture Dean's Award of Excellence	2020
OSU Ferguson College of Agriculture Senior of Distinction	2020
Oklahoma State University Senior of Significance	2019
Oklahoma State University OAES/CASNR Undergraduate Research Scholar	2019
American FFA Degree	2017

PROFESSIONAL AFFILIATIONS

Agricultural and Applied Economics Association (AAEA)
 Graduate Student Section (GSS)

Community Regional Economics Network (CRENET)
North American Regional Science Association
Southern Regional Science Association

COMPUTING SKILLS

Excel, R, SAS, STATA, ArcMap, ArcGIS, Mathematica, and Adobe Creative Cloud

REFERENCES

Dr. Steven Deller

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Department of Agricultural and Applied Economics
University of Wisconsin-Madison
Phone: (608) 263-6251
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Dr. Ayoung Kim

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Dr. Amy Hagerman

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