

ALYSSA HELEN CARLSON

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POSITIONS

	Economics Department, University of Missouri
2026 –	Associate Professor
2019 – 2026	Assistant Professor
2024 – 2025	Director of Inclusion

EDUCATION

2014 – 2019	PhD & MA in Economics, <i>Michigan State University</i> Fields: Econometrics, Industrial Organizations Committee: Jeffrey Wooldridge (Chair), Kyoo Il Kim, Joseph Herriges, Nicole Mason Dissertation: <i>Trade-Offs in Non-linear Models and Estimation Strategies</i>
2008 – 2012	BS in Economics & BA in International Relations, <i>American University</i>

PUBLICATIONS

Identification of a triangular random coefficient model using a correction function

Accepted at *Review of Economics and Statistics*

Addressing attrition in nonlinear dynamic panel data models with an application to health, with Anastasia Semykina (2026) *Econometric Reviews*, 45(9), 1388-1398

Heckman sample selection estimators under heteroskedasticity, with Wei Zhao (2025) *The Stata Journal*, 25(1), 212-236

gtsheckman: A Generalized Two-Step Sample Selection Estimator in Stata (2024) *The Stata Journal*, 24(4), 687-710.

Sample selection in linear panel data models with individual-specific slopes, with Riju Joshi (2024) *Journal of Applied Econometrics*, 39(2), 237-255.

Addressing sample selection bias for machine learning methods, with Dylan Brewer (2024). *Journal of Applied Econometrics*, 39(3), 383-400.

Relaxing conditional independence in an endogenous binary response model (2023). *Journal of Econometrics*, 232(2), 490-500.

Parametric identification of multiplicative exponential heteroskedasticity (2019). *Oxford Bulletin of Economics and Statistics*, 81(3) 686-696.

EXTERNAL GRANTS

2024 – 2029	NSF CAREER Grant: Heterogeneity and the General Control Function Approach to Endogeneity (\$400,000)
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WORKING PAPERS

Linear projection based control functions sensitivity to misspecification

Heterogeneity in State Solar and Wind Deployments: Trade-offs between Technology-neutral and Technology-specific Renewable Energy Policies, with Jian Chen and Hongli Feng

Behavior of pooled and joint estimators in probit model with random coefficients and serial correlation, with Jeffrey Wooldridge and Ying Zhu (Resting)

CONFERENCES AND SEMINARS

2024	International Association of Applied Econometrics Conference (Thessaloniki, GR), International Panel Data Conference (Orlean, FR), Stata Symposium (Online), Southern Economic Association (Washington, DC)
2023	Iowa State University, Advances in Econometrics Conference and Festschrift in Honor of Joon Y. Park (poster, Bloomington, IN), Midwest Econometrics Group (Cleveland, OH)
2022	University of Missouri Department of Quantitative Psychology Brown Bag Series, West Indies Economic Conference (Online), International Association of Applied Econometrics Conference (London, UK), Stata Conference (Washington, DC), Midwest Econometrics Group (East Lansing, MI), Southern Economic Association (Fort Lauderdale, FL)
2021	University of Missouri Department of Economics Brown Bag Series, Western Economic Association Conference (Online), International Association of Applied Econometrics Conference (Online), Panel Data Conference (Online), Ohio State University (Online), Southern Economic Association (Houston, TX)
2020	Southern Economic Association (Online)
2019	Midwest Econometrics Group (Columbus, OH), Econometrics Class of 2019 Microeconometrics Conference at Duke University (participant), New College of Florida, University of Utah (David Eccles School of Business), William and Mary College, University of Nebraska, University of Manchester, University of Missouri, Georgia Institute of Technology
2018	Grand Valley State University, Midwest Econometrics Group (Madison, WI), International Association of Applied Econometrics Conference (Montreal, CAN), Midwest Economics Association (Evanston, IL), Michigan State University Econometrics Seminar, Michigan State University Graduate Student Seminar
2017	Midwest Econometric Group (College Station, TX), Red Cedar Conference (Michigan State University), Michigan State University Graduate Student Seminar

TEACHING EXPERIENCE

Graduate	MA Applied Econometrics (2019 – , online), PhD Econometric Theory II (2020 – 2022, 2024 –)
Undergraduate	Introductory Econometrics (2024 –), Introductory Microeconomics (2016)

REFeree SERVICE

Journal of Econometrics, Journal of Applied Econometrics, Quantitative Economics, Annals of Economics and Statistics, Econometric Reviews, Economics Letters, Economic Inquiry, Advances in Econometrics: Essays in Honor of Joon Y. Park, Journal of Development Economics

PROFESSIONAL DEVELOPMENT

2020 Online Teaching Foundations Workshop (6 weeks), Start Here: Online Course Design Basics Workshop (4 weeks), Flexible Online Teaching Recertification (FOTR)

UNIVERSITY SERVICE AND SERVICE TO THE FIELD

Faculty Advisor for the Undergraduate Women in Economics Group (2020 –), A&S Undergraduate Research and Creative Activity Committee (2024 –), Faculty Advisor for University of Missouri Economics Society (2024 –), PhD Qualifying Exams Committee (2019 –), Faculty Advisory for Graduate Women in Economics (2024-2025), Salary Advisory Committee (2023-2024), WEA International Graduate Student Workshop Mock Interviewer (2021), SEA “Strategies to Increase Gender Diversity in Economics” panelist (2021), Department of Economics Library Liaison (2019-2020), Panelist for meeting of Women and Minorities in Economics at MSU (2018), Organizer of MSU Graduate Student Seminar (2018), Graduate Economics First Year Mentor (2017-2018), Founder and Organizer of MSU Econometrics Reading Group (2017)

INTERNAL GRANTS, FELLOWSHIPS, AND HONORS

2026 Murray Faculty Fellowship

2025 College of Arts and Science Assistant Professor of the Year

2024 Tom and Vivian Hall summer research fellowship, Alumni Leaders Board Faculty Research Fellowship, Alumnae Anniversary Award from the Women’s and Gender Studies Department

2022 MU Research Council Grant

2021 Melissa and David Skeens Faculty Fellowship, Mizzou Women Gives grant

2015 – 2018 Dissertation Completion Fellowship, Graduate Research Travel Fellowship, MSU Summer Research Fellowship, Red Cedar Award (best 3rd year paper), Department of Economics Excellence-in-Teaching Citation, College of Social Science Teaching Award, Peter Schmidt Award (distinguished 1st year performance), Goodman Fellowship

ADVISING AND MENTORSHIP

Graduate Julie Funk (Economics PhD committee member, ongoing), Oluwafemi David Ogunjemilua (Economics PhD committee member, ongoing), Boyang Xia (Marketing PhD committee member, ongoing), Yuyao Zheng (Economics PhD committee member, ongoing), Fanyu Zhong (Economics PhD committee member, ongoing), Yong Feng (Economics MA committee member, 2025), Wei Zhao (Economics PhD committee member, 2024), Nancy Chen (Business Management PhD committee member, 2024), Qian Wu (Economics PhD committee member, 2023), Joseph Gjata (MA Thesis Advisor, 2023), Jordan Swindle (MA Thesis Advisor, 2022), Jordan Vincent (MA Thesis Advisor, 2021)

Undergraduate Sophia Bader (Honors Thesis Advisor, 2026), Sawyer Burgess (Honors Thesis Advisor, 2026), Khadichakhon Nurakhmedova (Honors Thesis Advisor, 2026), Kholida Khaminjonova (Honors Thesis Advisor, 2026), Samuel Hirner (Honors Thesis Advisor, 2025), Erikan Editi Ikoh (Honors Thesis Advisor, 2025), Hunter Helmke (Honors Thesis Advisor, 2025), Macy Monical (Honors Thesis Advisor, 2025), Eric Kvam (Honors Thesis Advisor, 2025), Destiny Muller (Honors Thesis Advisor, 2023), Adriana Doolin (Honors Thesis Advisor, 2022), Olivia Skeans (College of Arts and Science Undergraduate Research Mentorship Program, 2021)