John F. Martin

Website: link   *Phone*: (913) 972-1792
GitHub: link   *School*: jfmt3v@umsystem.edu
LinkedIn: link   *Personal*: martin.john105@gmail.com

Education

2021-present   **University of Missouri - Columbia**
B.S. in Economics (Honors Distinction), Mathematics, and Statistics
Honors Certificate, Writing Intensive Certificate
Cumulative GPA: **3.85/4.00** ‖ Expected Graduation: May 2025
Honors College; Dean's List (5 semesters); Cherng Scholar; McNair Scholar
Award for Academic Excellence (1 of 14 undergraduates selected)

Relevant Coursework & Skills

Mathematics: Real Analysis (A+), Calculus 3 (A+), Complex Variables (A-), Differential Equations (A), Matrix Theory (A), Topology (A)

Statistics: Mathematical Statistics (A), Applied Statistical Models 1 (A), Applied Statistical Models 2 (A), Intro to Econometrics (A)

Economics: Quantitative Economics (A+), American Political Economics (A+), Intermediate Microeconomics (A), Intermediate Macroeconomics (A), Honors Thesis (A)

Language Proficiency: Stata, R, Python, LaTeX, HTML

Research Experience

University of Missouri/UCLA, Pre-Doctoral RA; Aug 2024-present, 10 hrs/wk

- Working with Dr. Brittany Street, Dr. Emily Weisburst, and Dr. Felipe Goncalves on how historical transportation infrastructure affects modern economic mobility
- Created datasets which calculated tract closest distance to highways, railroads, redline borders, and other within-city tracts for 16,000+ tracts (172 cities) in Python
- Constructed novel instrumental variable for all 29,000+ cities for railroads and highways

University of Missouri - Columbia, TRIO McNair Scholars; Aug 2023-present, 12 hrs/wk

- Advised by Dr. Brittany Street
- Analyzed causal effect of Medicaid expansion on outcomes such as uninsured rates and private health insurance enrollment
- Leveraged data from the BLS, Census, and CMS in staggered DiD research design
- Conducted replication project using the same DiD method to learn econometric method at both the theoretical and applied level

University of Missouri - Columbia, Research Assistant; Aug 2024-May 2025, 10 hrs/wk

- Worked with Dr. Brittany Street
- Compiled TANF data across 20 years from multiple Excel sheets and PDF

- Created U.S. map displaying 111 cities and proportion of the population those cities contain compared to total state population
- Created city-level Gantt chart for 576 cities across 20 years for three variables

Southern Methodist University, NSF REU; Jun-Jul 2024, 40 hrs/wk

- Advised by Dr. Cullum Clark
- Analyzed housing supply and affordability across 14,000+ Census tracts and 10 states
- Leveraged Python, Stata, and R to clean, analyze, and visualize affordable housing data
- Built Python functions that efficiently overlaid geospatial affordable housing data to relevant Census data
- 6% program acceptance rate

Teaching & Leadership Experience

Introduction to Macroeconomics (ECONOM 1015) || 500 students; 10 hrs/wk

- Teaching Assistant; Fall 2023-present; Instructed by Dr. George Chikhladze

Mathematics (Algebra II to Differential Equations) || 5 students; 5 hrs/wk

- Freelance Tutor, Jan 2022-present

Unversity of Missouri Economics Society || 180+ members; 3 hrs/wk

- President, 2022-2023; VP of Public Relations, 2023-2024; Jan 2022-present

Work Experience

AltaRisk LLC
|| **Data Analyst Intern** (Jun-Aug 2023) || Overland Park, KS || 40 hrs/wk ||

- Improved business-relevant analysis techniques using Power BI and MS Excel
- Compiled, analyzed, and presented loss-claims data and underwriters' production data
- Automated weekly production report, cutting time needed to create report by 80%

Secretary of State Campaign || **Local Candidate Campaigns**
|| **Finance Director** (2022-2023) || Overland Park, KS || 15 hrs/wk ||

- Developed and managed $500K projected budget for statewide campaign
- Prepared and filed Kansas Governmental Ethics Commission campaign-finance reports
- Informed team weekly through concise financial reports
- Acted as a surrogate for candidate at events across Kansas

Grants and Honors

- University of Missouri Award for Academic Distinction, 2025, University of Missouri
- McNair Research Scholar, TRIO Program, 2023-2024, University of Missouri ($3000)
- "Data Science for Social Good" REU, NSF, Summer 2024, SMU ($6000)
- David Loschky Scholarship, Mizzou Economics, 2024 ($1000)
- Economics Leaders Board Excellence Award, Mizzou Economics, 2023 ($1000)
- Diversity in Leadership Scholarship, Mizzou Alumni Association, 2023 ($1000)
- Robert R. Butler Scholarship, College of Arts & Science, 2023 ($1000)
- Dean's List, University of Missouri - Columbia, Fall 2021-Fall 2023
- Honors College, University of Missouri - Columbia, 2021-present
- Cherng Scholar, University of Missouri - Columbia, 2021 ($1200)

References

Dr. Brittany Street
Assistant Professor of Economics and Public Policy
University of Missouri-Columbia
Email: streetb@missouri.edu
Phone: (573) 882-3072

Dr. Cullum Clark
Director of the Bush Institute-SMU Economic Growth Initiative, Adjunct Professor of
Economics
Southern Methodist University
Email: cclark@bushcenter.org
Phone: (214) 768-3237