

Matt Capaldi

Ph.D. Candidate

- Phone

- **ORCID**
- GitHub

m Education

Ph.D. Higher Education Administration

Summer 2025 (Expected)

Minor in Urban and Regional Planning

Dissertation: A collection of essays exploring the link between transportation and college student

outcomes
University of Florida

M.Ed. Research and Evaluation Methodology

Fall 2024 (Expected)

University of Florida, FL

M.Ed. Student Personnel in Higher Education

Spring 2020

University of Florida, FL

B.A. International Relations with Political Science

Summer 2018

Year Abroad: Providence College, RI

University of Birmingham, UK

Experience

Graduate Assistant & Fellow

August 2021 – Present

University of Florida, FL

Teaching Experience

EDH 7916: Contemporary Research in Higher Education - "The R Class"

Co-Instructor

Spring 2024

- Took over instruction and grading for the technical R portions of the course following Dr. Skinner's departure
- Refreshed the <u>course website</u> including simpliying some of the core content (e.g. loops), updating the .Rmd lesson to Quarto, and adding a Tidyverse to SQL translation lesson
- 4.3 out of 5.0 course evaluation see public results

Teaching Assistant

Spring 2023

- Assisted Dr. Skinner with 1:1 troubleshooting for lessons and assignments during class and office hours
- Designed and taught <u>a new lesson</u> on mapping and working with spatial data in R based off a real-world past GA task

Research Experience

- Created a time-series matrix of neighboring colleges to explore the impact of policy changes on transfer patterns
- Spatially merged meteorological and government emergency response data with IPEDS to explore the impact of extreme weather on colleges
- Spatially lined up TX community college service areas with high school districts to explore equity of institutional access
- Gathered data and created tables and visualizations for a <u>report targeted at</u> <u>state policy makers</u>
- Created a new dataset of state-run merit-based aid programs in the US which led to a <u>new typology being proposed</u>

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Residence Hall Coordinator

July 2020 - May 2021

University of Missouri, MO

Graduate Community Coordinator

July 2019 – May 2020

University of Florida, FL

Updated: 2024-08-09



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- <u>StackOverflow</u>

Summer Sessions Graduate Intern

Georgetown University, DC

Graduate Assistant

University of Florida

Advising Intern

US-UK Fulbright Commission

Student Ambassador

University of Birmingham

May 2019 - July 2019

August 2018 – May 2019

January 2018 – June 2018

January 2015 – June 2018

↑ Technical Skills

Regression-Based Analysis

- Ordinary Least Squares
- Logistic
- Cox Proportional Hazard
- Geographically Weighted
- Fixed Effects

Spatial Statistics

- Spatial Projections & Mapping
- Distance Calculation
- Clusters & Hot-Spots
- Spatial Outlier
- Interpolation

Natural Language Processing

- Structural Topic Modeling

Quasi-Experimental Designs

- Propensity Scores
- Instrumental Variables
- Difference in Differences
- Regression Discontinuity

Psychometrics & Latent Variables

- Classical Test Theory
- Factor Analysis
- Item Response Theory
- Basic Computational Psychometrics
- Structural Equation Modeling

Bayesian Statistics

Bayesian Regression (MCMC)

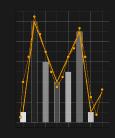
R R
 L Shiny
 Python
 Git Z Zotero
 Quarto & Rmd
 Stata
 ✓ SPSS
 Qualtrics
 GIS
 Typst
 Microsoft Office

Publications

Peer-Reviewed Articles

- **Capaldi, M. J.** (in preparation). The route to retention: a propensity score and instrumental variable analysis of the link between transit stop proximity and urban US commuter college retention rates. *AERA Open*.
- **Capaldi, M. J.**, & Shin, J. (in preparation). A time and place for (sustainable) campus planning: using structural topic models to explore variations in planning priorities at large us public colleges. *Educational Evaluation and Policy Analysis*.
- Hu, X., Fernandez, F., Qiu, Y., & *Capaldi, M.* (2024). The good, the bad, and the balanced: a typology of state merit-aid programs for community college students. *Community College Review*, 52(3), 289–314. https://doi.org/10.1177/00915521241238753
- Capaldi, M. J. (2023). The route to graduation: an exploration of the association between transit stop proximity and pell recipient completion rates at us

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commuter colleges. *Journal of College Student Retention: Research, Theory & Practice*. https://doi.org/10.1177/15210251231156421

Reports

Fernandez, F., Hu, X., & **Capaldi, M.** (2023). Exploring equitable public higher education funding models in Illinois. Partnership for College Completion. https://partnershipfcc.org/publications/adequacy/

Commentary Articles

- Capaldi, M. J. (2021, December 1). Ensuring equitable public safety responses in college towns. American City and County. https://www.americancityandcountry.com/2021/12/01/ensuring-equitable-public-safety-responses-in-college-towns/
- Fernandez, F., & *Capaldi, M. J.* (2021, October 25). Studying political science motivates college students to register and vote new research shows. *The Conversation*. http://theconversation.com/studying-political-science-motivates-college-students-to-register-and-vote-new-research-shows-168440

Conference Presentations

Workshops

Capaldi, M. J. (2024, November 22). Automating data retrieval for enhanced reproducibility: using Stata and R to "automagically" download labeled IPEDS data. ASHE: Association for the Study of Higher Education. https://capaldi.info/ASHE24/

Paper Presentations

- **Capaldi, M. J.**, & Shin, J. (under review). *Time and place for (sustainable) planning: a structural topic model analysis of campus master plans*. AERA: American Educational Research Association.
- Hu, X., Fernandez, F., & **Capaldi, M. J.** (under review). With a Few Dollars More: Examining Community College Merit Aid, Enrollment, and Transfer. AERA: American Educational Research Association.
- Capaldi, M. J. (2024, November 21). The route to retention: an analysis of transit stop proximity and urban commuter college retention. ASHE: Association for the Study of Higher Education. https://capaldi.info/ASHE24/
- Hu, X., Fernandez, F., Qiu, Y., & *Capaldi, M. J.* (2023, April 13). *A typology of state merit aid programs for community college students*. AERA: American Educational Research Association.

Funding

| \$1,000 | Dr. Barbara Keener Dissertation Award | 2024 |
|-----------|--|-------------|
| | University of Florida | |
| \$2,500 | Lincoln and Lillian Hall Fellowship in Memory of Albert G. Hal | l 2024 |
| | University of Florida | |
| \$2,000 | Patricia D. Conroy Endowed Scholarship | 2023 |
| | University of Florida | |
| \$31,000 | Graduate School Funding Award | 2021 – 2025 |
| & Tuition | University of Florida | |

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