

Kyle Butts

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University of Colorado: Boulder
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EDUCATION

Ph.D., Economics, University of Colorado: Boulder (Expected) May 2024
Masters, Economics, University of Colorado: Boulder May 2021
B.S., Mathematics, University of California: Santa Barbara May 2017

INDUSTRY EMPLOYMENT

Research Intern, Microsoft Summer 2022

JOB MARKET PAPER

1. Dynamic Treatment Effect Estimation with Interactive Fixed Effects and Short Panels (with [Nicholas Brown](#))

Revisions Requested at Journal of Econometrics

[[Paper](#)] [[Slides](#)] [[5-minute Summary](#)]

This paper considers a general identification strategy of average treatment effect parameters in panel data settings under a linear factor model allowing for staggered treatment adoption, treatment effect heterogeneity, and a fixed number of time periods. Our model nests the classic two-way fixed effect model while allowing for selection into treatment based on common-contemporaneous shocks. We provide a unifying result for identification of imputation-based estimators under a factor model. We propose a particular estimator, establish asymptotic properties, and provide statistical tests for the sufficiency of the two-way fixed effect model.

PUBLICATIONS

1. Difference-in-Differences with Geocoded Microdata
Journal of Urban Economics: Insights, vol. 133, 2023.
[[Paper](#)] [[Slides](#)] [[5-minute Summary](#)]
2. Government Contracting, Labor Intensity, and the Local Effects of Fiscal Consolidation: Evidence from the Budget Control Act of 2011 (with [Timothy Komarek](#) and [Gary A. Wagner](#))
Journal of Urban Economics, vol. 132, 2022.
[[Paper](#)] [[5-minute Summary](#)]
3. did2s: Two-Stage Difference-in-Differences
R Journal, vol. 14/3, 2022.
[[Paper](#)] [[R Package](#)] [[Stata Package](#)]

4. Geographic Difference-in-Discontinuities

Applied Economics Letters, vol. 30, 2021.

[Paper] [5-minute Summary]

WORKING PAPERS

1. Simple Difference-in-Differences Estimation in Fixed-T Panels (with [Nicholas Brown](#) and [Joakim Westerlund](#))

Revisions Requested at Journal of Business & Economic Statistics

[Paper]

2. Urban Wage Premium: 1940-2010 (with [Taylor Jaworski](#) and [Carl Kitchens](#))

[Paper]

3. Difference-in-Differences with Spatial Spillovers

[Paper] [Slides]

WORKS IN PROGRESS

1. Rental Housing Ownership and Quality of Housing: Evidence from New York

2. Zoning, Housing Supply, and Distributional Impacts of Migration: Evidence from Massachusetts (with [Alvin Murphy](#))

PRESENTATIONS

Florida State University; University of West Virginia; Regional, Urban, Spatial and Housing Graduate Student Brownbag 2023

University of Louisiana: Lafayette; University of Rochester HEEL Lab 2022

WEAI Annual Conference 2021

HONORS AND AWARDS

Graduate Award For Public Policy Research, *University of Colorado: Boulder* 2024

Sieglinde Talbott Haller Endowed Economics Scholarship, *University of Colorado: Boulder* 2023

Graduate School GPTI Teaching Excellence Award, *University of Colorado: Boulder* 2022

Morris E. Garnsey Fellowship, *University of Colorado: Boulder* 2021

Leslie Whittington Memorial Fellowship for Excellence in Economics, *University of Colorado: Boulder* 2021

Prize in Econometrics, *University of Colorado: Boulder* 2020

TEACHING

[Intermediate Microeconomics](#) (University of Colorado: Boulder) 2022

[Natural Resource Economics](#) (University of Colorado: Boulder) 2021-2023

[Introduction to Probability and Statistics](#) (University of Colorado: Boulder) 2020-2021

RESEARCH AND TEACHING FIELDS

Primary: Urban Economics, Applied Econometrics

Secondary: Housing, Empirical IO, Environmental

PROFESSIONAL SERVICES

Organizer, [Regional, Urban, Spatial and Housing Graduate Student Brownbag](#) 2023-present

Organizer, CU Boulder Graduate Student Research Seminar 2020-present

Referee reports for Journal of Law and Economics (2x), Journal of the Association of Environmental and Resource Economists, Empirical Economics (2x), and Biometrics

REFERENCES

Taylor Jawroski, PhD (advisor)

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