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Office Information

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Graduate Studies:

UNC, Greensboro, 2019 to Present

Ph.D. Candidate in Economics

Thesis Title: Essays on Mobile-device location and Labor Markets

Expected Completion Date: May 2023

References:

Dr. Martin Sparre Andersen (Chair)
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Dr. Jeremy W. Bray
Jefferson-Pilot Excellence Professor
Department of Economics,
The University of North Carolina at Greensboro
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Undergraduate Studies:

B.Sc. (*Hons.*) Mathematics, Sri Guru Teg Bahadur Khalsa College, University of Delhi, India, 2014

Research Experience and Other Employment:

2021 - 2023 Research Assistant to Prof. Jeremy W. Bray

- Worked closely with the North Carolina Department of Health and Human Services to coordinate data-sharing agreements and communicate results for the estimated cost savings of mental health policy in North Carolina using Medicaid claims and encounters data.

2019-2021 Teaching Associate at Department of Economics, UNC, Greensboro

- Implemented a training strategy with corresponding curriculum to achieve department's objective and conducted performance gap analysis to assess current state and prioritize performance issues based on the course goal.

2018-2019 Academic Associate at Department of Economics, IIM, Udaipur, Rajasthan, India

- Heavily contributed as a valuable team member in the collaborations of curriculum development for business management training and performed one-on-one coaching with students that required customized training tailored to individual learning types.

2011 Field Investigator, 2011 Census of India, Govt. of India, India

- Collected, sorted and compiled detailed information for around 5,500 households with a population of around 25,000 and transmitted work electronically to the Census-2010 database and maintained hard copy backups for the Office of the Registrar General & Census Commissioner, Ministry of Home Affairs, Government of India.

Skills:

- R, Stata, Python, Mathematica, Matlab
- Causal Inference, Econometric/Statistical Analysis, Cost-effectiveness analysis.
- rMarkdown , L^AT_EX, Git

Research Papers:

City Limits: The relationship between employment and minimum wage using mobile-device locations (*Job Market Paper*)

Last decade has seen noteworthy local policy decisions, especially a trend in the decentralization of wage determination. Considering local policy changes are aimed at the local areas where boundaries are porous, there is a need for detailed and accurate geographic and time information. Using the establishment location and mobile-device location data by SafeGraph, this study explores how the labor market responds to local minimum wage ordinances. I use the difference-in-differences approach to estimate the effect of an increase in the minimum wage on the variation in the duration of visits at a location which can be used as a proxy for employment hours. I find a decrease in employment hours when there is a proportionate increase in the local minimum wage and an increase in distance traveled from home with an increase in the minimum wage. The study further demonstrates that the local labor market, especially in the non-tradeable sector, is more responsive to the changes in the local minimum wage than the state binded minimum wage changes.

Research Paper(s) in Progress:

Crossing Borders and Changing Lives: Evaluating the labor market response when local areas change minimum wage

Simply can't wait: Evaluating the effect of voluntary employer minimum wage increase on local labor markets

Estimating the Cost Savings of Tiered Care Coordination for At-Risk Youth: Evidence from North Carolina (*With Jeremy Bray, Zubab Moid & Kat Morand*)

Estimating the Cost Savings of High-Fidelity Wraparound: Evidence from North Carolina (*With Jeremy Bray, Zubab Moid & Kat Morand*)

Professional Activities:

Conference presentations: Carolina Region Empirical Economics Day (CREED), Charleston, SC, May 2022
Western Economic Association (WEAI), Portland, OR, June 2022
3MT, UNC, Greensboro, Oct 2022
Rising Scholars Conference at Chicago Booth, Virtual, Nov 2022
Southern Economic Association (SEA), Fort Lauderdale, FL, Nov 2022 (*Scheduled*)

Discussant: Western Economic Association (WEAI), June 2022
Southern Economic Association (SEA), Nov 2022 (*Scheduled*)

Other Services: International student Ambassador (2021), International Programs Center,
UNC, Greensboro

Honors, Scholarships, and Fellowships:

2022-23 Kathleen Price and Joseph M. Bryan Fellowship
2016-18 University Grant Commission Merit Scholarship, Govt. of India
2011-14 CBSE - CSSS Merit Scholarship, Govt. of India