

## LUWEN MAI

47 Linden St Apt 12, Boston MA USA 02134

Cell: (617) 803-1324

Email: [jtkirk@bu.edu](mailto:jtkirk@bu.edu)

Web site: <https://blogs.bu.edu/jtkirk/>

Work Authorization: U.S. Permanent Resident (No sponsorship required)



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### EDUCATION

Ph.D., Economics, Boston University, Boston MA, May 2026 (expected)

Dissertation Title: *Intrahousehold Labor Dynamics in the U.S. Labor Market: Late 20<sup>th</sup> and Early 21<sup>st</sup> Centuries*.

Main advisor: Daniele Paserman

Dissertation Committee: Daniele Paserman, Johannes Schmieder, and Keren Horn

M.A., Economic Policy, Boston University, Boston, MA, May 2019

Master Thesis Title: *The Motherhood Penalty: From the Homosexual Perspective*

Main advisor: Robert Margo

B.A., Economics (*Summa Cum Laude*), Boston University, Boston, MA, May 2017

Senior Honors Thesis Title: *Marriage Effect on Wage Income for Homosexuals and Within-Household Specializations: Evidence from 2013-14 American Community Survey*

Main advisor: Daniele Paserman

B.S., Mass Communication Studies (*Summa Cum Laude*), Boston University, Boston, MA, May 2017

### FIELDS OF INTEREST

Labor Economics (Family Economics), Environmental Economics, Urban Economics

### WORKING PAPERS

"For Better or For Worse: The Added Worker Effect in the 21<sup>st</sup> Century U.S.," June 2025.

- *Job Market Paper. Restricted U.S. administrative microdata*

"Displacement and Domestic Dynamics: Life Cycle, Parenthood, and Paths to Recovery," (joint with Keren Horn), August 2025.

- *Restricted U.S. administrative microdata*

"Childhood Exposure to State Child Support Guidelines and Long-Run Labor Market Outcomes," October 2023.

"The Motherhood Penalty: From the Homosexual Perspective," March 2019.

"Marriage Effect on Wage Income for Homosexuals and Within-Household Specializations: Evidence from 2013-14 American Community Survey," (joint with Kevin Lang, Daniele Paserman, and Steve Rogers), April 2017.

### PRESENTATION

WERISE Conference, Boston, MA, 2025 [poster presentation]

Economics of the Household Conference, San Diego, CA, 2017 [presentation by coauthor]

### FELLOWSHIP

Lu Lingzi Scholarship, Boston University, Fall 2017 – Spring 2019

October 2025

## **SPECIAL SWORN STATUS (SSS)**

Obtained security clearance to perform statistical research in a Federal Statistical Research Data Center (FSRDC) using restricted microdata

- *U.S. Census Bureau, Cambridge, MA (Spring 2022 – present)*

## **RESEARCH & WORK EXPERIENCE**

Research Assistant, Dept of Economics, University of Massachusetts-Boston, Spring 2025 – present

“Hurricanes, Floods and Fires: Understanding the Disparate Employment Impacts of Climate Change”

- *Special Sworn Status Researcher. Restricted U.S. administrative microdata*

Research Assistant, Dept of Economics, Tufts University, Fall 2021 – Fall 2024

“The Geography of Worker Adaptation: Industry, Skills, Retraining, Mobility, and Housing Costs”

- *Special Sworn Status Researcher. Restricted U.S. administrative microdata*

Research Assistant, Dept of Economics, Boston University, Spring 2018

“Gender Roles and Household Time Allocation and Adjustment: Evidence from Japanese Panel Survey”

Research Assistant, Dept of Small & Micro-Businesses, YuanHu Sub-branch, GuangXi Zhuang Autonomous Region Branch, China Construction Bank, Summer 2015

Construct data dashboards and formulate monthly reports

## **PEER-REVIEW SERVICE**

Review of Economics of the Household, Summer 2024 & Spring 2025

## **TEACHING EXPERIENCE**

Instructor, Empirical Economics 2, Dept of Economics, Boston University, Summer 2024

Teaching Fellow, Introductory Macroeconomic Analysis, Dept of Economics, Boston University, Spring 2021 & Spring 2022

Teaching Fellow, Introductory Microeconomic Analysis, Dept of Economics, Boston University, Fall 2020

Academic Tutor, Athletic Department, Boston University, Fall 2016 – Fall 2018

Academic Mentor, College of Arts and Sciences, Boston University, Spring 2015 & 2016

**LANGUAGES:** Fluent in Chinese (Mandarin) and English

**COMPUTER SKILLS:** Stata, LaTeX

## **REFERENCES**

**Professor Daniele Paserman**

Dept. of Economics  
Boston University  
(617) 353-5695  
[paserman@bu.edu](mailto:paserman@bu.edu)

**Professor Johannes Schmieder**

Dept. of Economics  
Boston University  
(617) 358-5923  
[johannes@bu.edu](mailto:johannes@bu.edu)

**Professor Keren Horn**

Dept. of Economics  
University of  
Massachusetts-Boston  
(617)287-6950  
[keren.horn@umb.edu](mailto:keren.horn@umb.edu)

**Professor Robert Margo**

Dept. of Economics  
Boston University  
(617) 353-6819  
[margora@bu.edu](mailto:margora@bu.edu)

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## **For Better or For Worse: The Added Worker Effect in the 21<sup>st</sup> Century U.S. (Job Market Paper)**

The added worker effect (AWE) – where one spouse increases labor supply in response to the other’s job loss – serves as a key mechanism of intra-household insurance among married or long-term partnered couples. This paper provides a life-cycle perspective on the muted AWE observed in developed countries, with evidence drawing on restricted U.S. administrative microdata. Using an event study framework combined with a *matched* difference-in-difference approach, I show that the aggregate muted AWE masks substantial heterogeneity: younger couples exhibit positive labor supply responses, while older couples display retirement-like labor market exits. The presence of children strengthens the AWE response, particularly among mothers. In contrast, in childless households, female spouses are more likely to reduce their own labor force participation, often accommodating their displaced husbands’ need to relocate or pursue new employment opportunities.

## **Displacement and Domestic Constraints: Life Cycle, Family Roles, and Self-Employment Transitions** *(with Keren Horn, disclosure review pending)*

This project complements my job market paper “For Better or For Worse: The Added Worker Effect in the 21<sup>st</sup> Century U.S.” by analyzing how life cycle stages, family structure, and household dynamics shape labor market recovery after job displacement. Drawing on restricted U.S. administrative microdata, it examines how parental status, gender and spousal earnings interact to influence unemployment risks and post-displacement earnings trajectories. The paper also investigates self-employment as a potential recovery strategy and evaluates how its effectiveness varies across demographic and household profiles.

## **Childhood Exposure to State Child Support Guidelines and Long-Run Labor Market Outcomes**

Federal legislation on child support payment calculations may result in differential labor market impacts by gender. This study focuses on the implementation of statewide child support payment guidelines in the mid- to late-1980s and estimates the long-run effects on employment and labor income from childhood exposure to such guidelines. One contribution of this paper is summarizing the year of guideline adoption for each state. I use longitudinal micro-data from the Panel Study of Income Dynamics, as well as quantile and ordinary least squares regressions in this study. Results show that, although there are no discernible long-run employment and earnings effects on the overall sample, longer exposure to state child support guidelines is associated with a 20% decrease in male labor income and a 7% increase in female labor income, even after controlling for state and cohort fixed effects. Further analyses suggest that the implementation of state child support guidelines has a weak impact on child support payments in the sample. However, it has unexpectedly encouraged parental separation, which potentially contributes to the differential long-run labor market outcomes for men and women.