

LUCAS LADENBURGER

CONTACT INFORMATION

Department of Economics
University of Colorado Boulder
256 UCB Boulder, CO, 80309

Email: Lucas.Ladenburger@colorado.edu
Phone: +1 (605) 430-8555
Web: lucasladenburger.github.io

RESEARCH INTERESTS

Macroeconomics, Spatial Economics, Computational Economics

EDUCATION

Ph.D. in Economics, University of Colorado Boulder	May 2026 (Expected)
<i>Visiting Scholar, University of Pennsylvania Economics</i>	Fall 2025
M.A. in Economics, University of Colorado Boulder	May 2022
B.B.A. in Economics, University of South Dakota	May 2020

WORKING PAPERS

[“Remote Work and Real Estate Prices: A Tale of Two Markets”](#) (**Job Market Paper**)

I study the effect of the remote work shock on the spatial distribution of U.S. residential and commercial real estate prices. To do so, I develop a dynamic quantitative spatial model featuring forward-looking migration and work-mode decisions, as well as investment in office capital. I analytically characterize residential real estate demand in terms of both current economic conditions and dynamic considerations, and show that the effect of increased remote work on commercial demand consists of two competing forces, yielding an overall ambiguous effect. I then quantify the impact of the remote shock and find heterogeneous effects on residential prices, with gains in some regions and losses in others, but widespread declines in commercial office values. Finally, I evaluate place-based policies targeting the drivers of these price shifts and show that welfare effects vary across locations and between the owners of residential and commercial real estate.

[“Travel Choices under Pandemic Federalism”](#) (with Daniel Kaffine and Alessandro Peri)

We develop a quantitative theory to study disease dynamics and the welfare consequences of endogenous travel choices. Travel responds to and influences disease dynamics, serving as an infection avoidance strategy and a vector for pandemic transmission. We integrate a metapopulation SIRD epidemiological framework with an economic model to recover consistent travel choices. We analytically characterize the role of travel as an infection avoidance mechanism, distinct from and in addition to home isolation. We then quantify its relative importance during a pandemic. We show local pandemic policies lead to suboptimal Nash equilibrium outcomes and train surrogate models to assess parameter impacts.

WORKS IN PROGRESS

“Response Surface Methodology for Economic Modelling”

“A metapopulation model of travel behavior and disease dynamics” (with Ana Bento, Daniel Kaffine, and Alessandro Peri)

TEACHING EXPERIENCE

Instructor of Record

- Intermediate Macroeconomics (Undergraduate), CU Boulder: Fall 2023, Spring 2024, Fall 2024, Summer 2025 (Online)
- Math Tools for Economists 1 (Undergraduate), CU Boulder: Fall 2022
- Math Tools for Economists 2 (Undergraduate), CU Boulder: Spring 2023, Spring 2025

Teaching Assistant

- Graduate: Microeconomic Theory 1 and 2, Macroeconomic Theory 1 and 2
- Undergraduate: Principles of Microeconomics, Principles of Macroeconomics, Money and Banking, Math Tools for Economists 1

RESEARCH EXPERIENCE

Research Assistant

2021 - 2022

Supervisor: Alessandro Peri

Projects: *Programming FPGAs for Economics*,
Untitled Epidemiological-Economic Project

AWARDS AND HONORS

2025 Eric D. Bovet Fellowship, *CU Boulder*

2024 Graduate Award for Public Policy Research, *CU Boulder*

2023 Third Year Paper Prize, *CU Boulder*; Eric D. Bovet Fellowship, *CU Boulder*

2022 Sieglinde Talbott Haller Endowed Economics Scholarship, *CU Boulder*

2021 Prize in Macroeconomics, *CU Boulder*

PRESENTATIONS

2025 CU Boulder Macro Brownbag, Suffolk University

2024 Society for Computational Economics CEF (Singapore), CU Boulder Macro Brownbag

2023 CU Boulder Macro Brownbag

TECHNICAL SKILLS

- Programming Languages: Python, Matlab, Stata, L^AT_EX
- Computational Tools: GPU Acceleration, Alpine Supercomputing Cluster, Amazon Elastic Compute Cloud

CITIZENSHIP

United States of America

REFERENCES

Alessandro Peri (Advisor)

Department of Economics

University of Colorado Boulder

256 UCB

Boulder, CO, 80309

Email: Alessandro.Peri@colorado.edu

Taylor Jaworski

Department of Economics

University of Colorado Boulder

256 UCB

Boulder, CO, 80309

Email: Taylor.Jaworski@colorado.edu

Sergey Nigai

Department of Economics

University of Colorado Boulder

256 UCB

Boulder, CO, 80309

Email: Sergey.Nigai@colorado.edu

Jesús Fernández-Villaverde

Department of Economics

University of Pennsylvania

133 South 36th Street

Philadelphia, PA 19104

Email: jesusfv@econ.upenn.edu