

Daniel Mangrum

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Vanderbilt University
Department of Economics
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Graduate Education

Vanderbilt University, Department of Economics
Ph.D. Candidate in Economics, *Russell G. Hamilton Scholar*
Expected completion: May 2020

Dissertation Title: Essays in Education Economics, Policy, and Regulation

References

Professor Andrea Moro (Primary Advisor)	andrea.moro@vanderbilt.edu	615-343-1516
Professor Christopher (Kitt) Carpenter	christopher.s.carpenter@vanderbilt.edu	615-322-0174
Professor Andrew Dustan	andrew.dustan@vanderbilt.edu	615-322-1990
Professor Brent Evans	b.evans@vanderbilt.edu	615-322-6491
Professor Mattias Polborn (Placement Director)	mattias.polborn@vanderbilt.edu	615-875-8113

Vanderbilt University, Department of Economics
M.A. in Economics, 2016

University of Memphis, Department of Economics
M.A. in Economics, 2014

Undergraduate Education

University of Memphis, Department of Economics
B.A. in Economics, *magna cum laude*, 2012

Research and Teaching Fields

Primary: Labor Economics, Economics of Education
Secondary: Urban Economics, Health Economics, Applied Microeconometrics

Honors and Fellowships

Dissertation Grant, Washington Center for Equitable Growth	2019 - 2020
Rendigs Fels Award for Excellence in Teaching, Vanderbilt University	2019
Best Graduate Student Paper, Missouri Valley Economic Association	2018
Kirk Dornbush Dissertation Fellowship, Vanderbilt University	2018
Council of Economic Graduate Students Travel Grant, Vanderbilt University	2018
Graduate School Travel Grant, Vanderbilt University	2017 and 2018
Kirk Dornbush Summer Research Grant, Vanderbilt University	2016 and 2017
Provost's Graduate Fellowship, Vanderbilt University	2014 - 2019
Graduate Fellowship, Vanderbilt University	2014 - 2015
Outstanding Economics Graduate Student Award, University of Memphis	2014
Supplemental Tennessee HOPE Lottery Scholarship	2007 - 2008
Tennessee HOPE Lottery Scholarship	2007 - 2008

Teaching Experience

Teaching Assistant

<i>Applied Econometrics</i> , Vanderbilt University	2019
<i>Economics of Risk</i> , Vanderbilt University	2018
<i>Information and Communications Technology</i> , Vanderbilt University	2018
<i>Poverty and Discrimination</i> , Vanderbilt University	2016
<i>Introduction to Sports Economics</i> , Vanderbilt University	2015 - 2017
<i>Seminar in Sports Economics</i> , Vanderbilt University	2015 - 2017
<i>Econometrics I (Graduate)</i> , University of Memphis	2014
<i>Microeconomic Theory</i> , University of Memphis	2013

Supplemental Instructor

<i>Introduction to Microeconomics</i> , University of Memphis	2011 - 2013
<i>Introduction to Macroeconomics</i> , University of Memphis	2011 - 2013

Tutor

Business Learning Center, University of Memphis	2012 - 2013
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Research Papers

“Personal Finance Education Mandates and Student Loan Repayment” [Job Market Paper]

I investigate how mandates to teach personal finance education in high school affect federal student loan repayment outcomes after college. To overcome a lack of quality borrower level data, I use the College Scorecard database to estimate how university level student loan repayment metrics change due to increased exposure to personal finance education mandates. Exposure to mandates is driven by two sources of variation: changes in state mandate status and migration of high school students to colleges. I find that cohorts more exposed to personal finance education mandates have better student loan repayment rates and this effect is largest for first generation and low income students at public universities. I find little evidence that low income and first generation students bound by a state mandate reduce student loan borrowing and mandated students are no more financially literate than non-mandated students. However, I present evidence that students bound by personal finance mandates are better able to answer questions pertaining to institutional details of the federal loan system.

“The Marginal Congestion of a Taxi in New York City,” with Alejandro Molnar (revise and resubmit, *American Economic Review*)

We exploit the partial deregulation of New York City taxi medallions to provide a causal estimate of the impact of taxi supply on congestion. We employ taxi trip records to measure historical street-level speed. We find that the roll-out of newly authorized taxis caused a local 8-9% decrease in speed. We estimate an empirical congestion elasticity curve from heterogeneous changes in speed and taxi supply, counted from aerial orthoimagery. Additionally, we provide novel urban sensor data to document a substantial traffic slowdown since 2013. Most of the slowdown in midtown Manhattan is accounted for by new supply from ridehail applications.

“You’re Not You When You’re Hungry: Measuring The Impact of a Supplemental Nutrition Program on Childhood Test Scores”

I estimate the impact of a supplemental nutrition intervention on math and language arts test scores at low income elementary schools in the Mississippi Delta. The intervention provided meals to students to replicate school breakfast and lunch over the weekend. Using a difference-in-differences design, I estimate the effect of the intervention on the mean and the distribution of test scores. I find that treated students performed better on both language arts and math standardized tests. The average gains stem from a reduction in the share of students achieving at the lowest threshold and shifts towards higher thresholds. I also use a triple-difference design using administrative attendance data to test whether students are less likely to be absent from school. I find improvements in attendance that are suggestive of improved weekend nutrition. I find no compelling evidence of a persistent effect in the year after intervention.

“Expectations and Follow-Through: The Roles of Confidence and Non-Cognitive Skills for Self-Employment,” with Carmen Astorne-Figari and Andrew Hussey

We examine the predictors of both long-term expectations of self-employment and future self-employment activities and earnings among the same individuals, with a particular focus on gender differences and the roles of non-cognitive skills. Using longitudinal data from the GMAT Registrant Survey, which includes prospective graduate management students, our analysis involves wide-ranging and novel sets of variables, including work-life balance and job preferences, self-efficacy,

confidence, and other non-cognitive skills or characteristics. We find notable differences in the drivers of self-employment and self-employment expectations between men and women, and also large differences in the set of variables that relate to self-employment intentions versus future self-employment outcomes. While preferences for work-life balance matter more for men's expectations, preferences about non-monetary characteristics of the job, such as job security and interesting work, matter more for women. In contrast, regarding actual self-employment, only non-cognitive skills play a substantial role for women, while men are driven mostly by preferences over work-life balance. Confidence in one's quantitative skills influences self-employment decisions, especially for women, and it also affects success in both the self-employed and the traditionally employed sectors, as reflected in earnings.

Works in Progress

"Impacts from Financial Aid Shocks: Regression Discontinuity Evidence from Changes to Automatic-Zero EFC Eligibility"

"Traffic Externalities of E-commerce Delivery", with Alejandro Molnar

"Estimating the Impact of Merit Aid Scholarships for Students on the Margin: Evidence from Tennessee"

Research Experience

Research Assistant for Dr. Andrew Hussey, University of Memphis	2013 - 2014
Research Assistant at Center for Economic Education, University of Memphis	2013
Researcher, Shelby Farms Park Conservancy	2012

Professional Activities

Presentation of Research

"Personal Finance Education Mandates and Student Loan Repayment"	
Western Illinois University	(invited) 2019
University of Memphis	(invited) 2019
Washington Center for Equitable Growth	2019
Association for Education Finance and Policy Annual Conference	2019
Southern Economic Association Annual Conference	2018
Missouri Valley Economic Association Annual Conference	2018
Vanderbilt Empirical Applied Microeconomics Workshop	2018
Vanderbilt University Graduate Student Research Day	2018

"You're Not You When You're Hungry: Measuring The Impact of a Supplemental Nutrition Program on Childhood Test Scores"

Missouri Valley Economic Association Annual Conference	(invited) 2019
Southern Economic Association Annual Conference	(invited) 2019
Vanderbilt University Graduate Student Research Day	2019

"Traffic Externalities of E-commerce Delivery"

Southern Economic Association Annual Conference	(invited) 2019
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Conference Attendance

NBER Summer Institute (research presented by coauthor)	2018
Tennessee Empirical Applied Microeconomics Festival, University of Tennessee	2018

Referee

Journal of Health Economics

Computing Skills

Stata, Python, Matlab, R, QGIS, Mathematica