

Domininkas Mockus

US Citizen

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EDUCATION University of Illinois Champaign, IL
Ph.D., Economics Currently Second Year, Expected Graduation Spring 2022

Purdue University West Lafayette, IN
B.S., Economics Honors *with highest distinction* May 2016
Minor: Mathematics, Statistics G.P.A 4.0/4.0

Concentrations Labor Economics, Public Economics, Health Economics

EXPERIENCE

Publications The Effects of Family Life Fall 2016

Mockus, Domininkas “Dominik” (2016) “The Effects of Family Life: A Study of Marital Instability, Activity, and Educational Outcomes,” *The Journal of Purdue Undergraduate Research*: Vol. 6, Article 6. DOI: <http://dx.doi.org/10.5703/1288284316163>

Marital disruptions, such as divorced parents or absent fathers, are associated with lower educational attainment for the children of these families. The present study examines how youth volunteerism and employment mitigate the effect of these marital disruptions. The hypothesis is that youth volunteerism and employment increase the likelihood that these youths will graduate from high school or obtain a GED by the typical time of high school graduation, at around age 19. The primary outcome measure was the completion of a high school diploma or GED by age 19 or 20. Using the National Longitudinal Survey of Youth 1979 (NLSY79) and accompanying Child/Young Adult (CYA) supplements, the estimated effects of youth volunteerism and employment on the probability of obtaining a high school diploma or GED by the age of 19 or 20 among those who ever obtain their high school diploma or GED, as compared to the base group of a nuclear family with the child neither volunteering nor employed, are 3.05 percentage points ($p = 0.008$) and 2.49 percentage points ($p = 0.064$), respectively, with employment having a (negative) differential effect for children who end up with a GED (15.31 percentage points total, $p < 0.1$). There were no other significant interaction terms, indicating that volunteering is beneficial in its own right. These findings indicate that volunteer activities should be studied and utilized as a means to improve the outcomes of children of non-nuclear families.

<http://bit.ly/2kTVnqk>

Work in Progress The Silent Assassin
Estimating the Costs of Medical Errors

Research

Research Assistant AY 1718
Julian Reif, Assistant Professor of Finance and Economics, University of Illinois

I am involved in a project that will generate national data on humidity and another project that will look at the effect of air pollution on medical errors. I am involved in intense data construction.

Research Assistant Summer 2017
Mark Borgschulte, Assistant Professor of Economics, University of Illinois

I built a dataset and supervised undergraduates who were also assisting the project. The dataset is a novel linkage of economics professors at public universities with information on their salaries and social media accounts. The immediate objective of the research is to explore selection into and causal effects of social media engagement for researchers.

Research Assistant Summer 2015
Daniel DeLaurentis, Professor of Aeronautics and Astronautics, Purdue University

I applied the gravity model of trade to airline networks by estimating the Airline Connectivity Index (ACI) proposed by Arvis and Shepherd of the World Bank in order to independently confirm the findings of Dr. DeLaurentis *et al.* I further examined how well various estimators (Poisson, gamma, and negative binomial) fit the model statistically and whether or not the results made sense based on an *ad hoc* intuitive measure. I then produced choropleth “heat” maps at the country level for the European, Asian, and world networks.

Research Assistant Summer 2014
Julian Romero, Assistant Professor of Economics, Purdue University

I learned and wrote Python code to play two-player infinitely repeated Prisoner’s Dilemma games with two-state automata.

Intern Summer 2013
Innovation Policy Division of the Ministry of the Economy of Lithuania

I analyzed and documented examples and uses of innovation-oriented public procurement, such as London’s Olympic Park, in EU countries.

Teaching

English Fall 2015

While in Hong Kong on study abroad I mentored students in English.

ECON 202: Introduction to Macroeconomics Summer 2015

I was a private tutor for ECON 202: Introduction to Macroeconomics at Michigan State University.

ECON 360: Econometrics Spring 2015

I was an undergraduate teaching assistant for ECON 360: Econometrics at Purdue University.

