

MUSTOFA MAHMUD AL MAMUN

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Education:

PhD in Economics, Fordham University, 2018-2024

Dissertation Title: "Essays on Fiscal Policy"

Committee: Johanna Francis (chair), Philip Shaw, and Arunima Sinha

MS in Agricultural & Resource Economics, University of Arizona, 2016-2018

Track: Applied Econometrics & Data Analytics

Master of Economics (Environmental Economics), University of Dhaka, Dhaka, 2014-2016

BURP in Urban & Regional Planning, BUET, Dhaka, 2009-2014

Teaching/Research Fields:

Primary: Macroeconomics, Macroeconomic Policy, Public Economics, Applied Econometrics, Computational Economics, Data Analytics

Secondary: Microeconomics, International Economics, Environmental Economics, Financial Economics

Job Market Paper:

"Government Spending Multipliers: The Size of the Fiscal Shock Matters" Ongoing

Abstract: Do all types of government spending generate similar multiplier effects? A standard non-linear DSGE model offers some predictions. I test those predictions on the US data using a traditional Structural Vector Auto Regression (SVAR) and the novel Local projection (LP) method. For transitory spending shocks, I find the government investment multiplier to be larger than one in the short run, and the government consumption multiplier is near-zero. The main reason for such difference is that private investment gets crowded out substantially after a government consumption shock but not after a government investment shock. Also, linear and symmetric regression methods fail to capture the non-linear and asymmetric effects of consumption shocks, leading to an underestimation of the consumption multiplier. The non-linear effects of consumption shocks also help explain why additional spending by the State & local government is more effective in raising output than the Federal government.

Working Paper:

"Federal Stimulus & Missing Payments: Insights from a Heterogeneous Agents Model" Ongoing

Abstract: When the US federal government undertakes a stimulus program, most eligible individuals receive their stimulus checks, but some miss their payments. Evidence suggests such occurrences are non-random and mostly concentrated at the bottom of the asset distribution. I use an economic model with a lump-sum tax-transfer system to study the effects of missing payments. As the model suggests, if the unused funds are not returned to taxpayers or are delayed, missing payments can lower aggregate consumption, savings, and output in the short run. However, I show that if the tax refunds are processed sooner, missing payments do not reduce output in the short run. Rather, the positive effect on output gets stronger in the medium run.

Publications:

Ervin, D. E., Breshears, E. H., Frisvold, G. B., Hurley, T., Dentzman, K.E., Gunsolus, J.L., Jussaume, R. A., Owen, M. D. K., Norsworthy, J. K., **Mamun, M. M. A.**, & Everman, W. (2019). Farmer attitudes toward cooperative approaches to herbicide resistance management: A common pool ecosystem service challenge. *Ecological Economics*, 157, 237-245.

Mohiuddin, H., Bhuiya, M.M.R., & Mamun, M.M.A. (2014). An analysis of the temperature change of Dhaka city. *Proceedings of 5th International Conference on Environmental Aspects of Bangladesh (ICEAB 2014), Dhaka, Bangladesh, E-27*

Teaching Experience:

2020-2023	Instructor, Principles of Microeconomics (6 sections) & Principles of Macroeconomics (2 sections), Fordham University.
2018-2020	Tutor, Department of Economics, Fordham University.
Fall 2019	Graduate Teaching Assistant for Professor Bartholomew Moore, Math II (Ph.D.), Fordham University.
Spring 2017	Graduate Teaching Assistant for Professor Paul Wilson, Economic Development (undergrad), University of Arizona.
Fall 2016	Graduate Teaching Assistant for Professor Roger Dahlgran, Economics of Futures Market (undergrad) & Intermediate Microeconomic Theories (undergrad), University of Arizona.

Research Experience and Other Employment:

2017-2018	Graduate Research Assistant for Professor George Frisvold, University of Arizona.
Summer 2017	Data Science Intern, Stadium Goods.

Professional Activities:

Spring 2023	Graduate Seminar in Jesuit Pedagogy, Co-facilitated by Professor Michael Baur, Professor Moshe Gold, and Professor Christine Hinze
October 2021	Presented at the 58th Missouri Valley Economic Association (MVEA) conference.

Honors, Scholarships, and Fellowships:

2023-2024	Alumni Dissertation Fellowship, Fordham University
2022-2023	Senior Teaching Fellowship, Fordham University
Summer 2022	Summer Research Fellowship, Fordham University
Summer 2021	Summer Research Fellowship, Fordham University

Skills:

Python, R, SQL, MATLAB, SAS, Stata, Tableau
Language: Bengali (native), English (fluent), Hindi (basic)

Personal Information:

Visa status F-1

References:

Professor Johanna Francis	ajofrancis@fordham.edu
Professor Philip Shaw	pshaw5@fordham.edu
Professor Arunima Sinha	econasinha@gmail.com
Professor Bartholomew Moore	bmoore@fordham.edu