

# John Mantus

Carnegie Mellon University  
Department of Engineering and Public Policy  
Wean Hall  
Pittsburgh, PA 15213

Phone: (978) 549-9174  
Email: [jmantus@andrew.cmu.edu](mailto:jmantus@andrew.cmu.edu)  
Homepage: <https://www.cmu.edu/epp/>

## Education

B.A. Economics & Mathematics, University of Rochester, 2017-2021.

“Take-Five,” Science of Climate Change, University of Rochester, 2022.

Ph.D. Engineering and Public Policy, Carnegie Mellon University, exp. 2028.

*Advised by Prof. Nicholas Muller.*

## Employment

American Enterprise Institute, Research Associate, 2022-2024.

*with Andrew Biggs, Scott Ganz, Benedic Ippolito, and Mark J. Warshawsky.*

## Publications

### *Journal Articles*

with Gaobo Pang and Mark J. Warshawsky. Policy Steps in the Federal Budget and Health Care to Achieve Sustainable Fiscal Conditions in the US, June 2024. *Journal of Policy Modeling*. <https://doi.org/10.1016/j.jpolmod.2024.05.012>.

with Mark J. Warshawsky. An Expanded and Updated Analysis of the Federal Debt’s Effect on Interest Rates, September 2022. *AEI Economic Perspectives*. <https://www.aei.org/research-products/report/an-expanded-and-updated-analysis-of-the-federal-debts-effect-on-interest-rates/>

### *Working Papers*

with Scott Ganz and Nathan Atkinson. A Simple Agent-Based Model for Simulating Single Winner Elections, August 2024. *Georgetown McDonough School of Business Research Paper No. 4911226*. <http://dx.doi.org/10.2139/ssrn.4911226>

with Andrew G. Biggs. Does Team Work Make the Dream Work? (And Other Claims of Student-Oriented Mathematics Instruction), June 2024. *AEI Economic Policy Working Paper Series*. <https://www.aei.org/research-products/working-paper/does-team-work-make-the-dream-work-and-other-claims-of-student-oriented-mathematics-instruction/>

Socioeconomic Vulnerability and Hurricane-Related Outages: Evidence from Hurricane Maria in Puerto Rico, November 2023. [https://www.johnmantus.com/files/Hurricane\\_Maria\\_and\\_Power\\_Outages.pdf](https://www.johnmantus.com/files/Hurricane_Maria_and_Power_Outages.pdf)

## Teaching Assistance Experience

### *Department of Mathematics/Statistics, University of Rochester*

Financial Mathematics, Profs. Ian Alevy & Alexander Carney, 2020-2022.

Applied Statistics, Prof. Nicholas Zaino, 2021.

### *Department of Economics, University of Rochester*

Introduction to Econometrics, Prof. Kegen T.K. Tan, 2021-2022.

Introduction to Economics, Prof. Michael Rizzo, 2021-2022.

Behavioral Economics, Prof. Asen Kochov, 2020.

Health Economics, Prof. Samuel Ogie, 2020.

## PhD Coursework

### *Fall 2024*

Engineering Optimization, Prof. Jeremy Michalek, Department of Engineering and Public Policy.

Introduction to the Theory and Practice of Policy Analysis, Prof. Valerie Karplus, Department of Engineering and Public Policy.

PhD Econometrics, Prof. Edson Severnini, Heinz College of Information Systems and Public Policy.

### *Spring 2025*

Energy Policy and Economics, Prof. Nicholas Muller, Department of Engineering and Public Policy.

Power Systems Operations, Prof. Barry Rawn, Electrical and Computer Engineering.

Quantitative Methods in Policy Analysis, Prof. Ramteen Sioshani, Department of Engineering and Public Policy.

Applied Data Analysis, Prof. Kate Whitefoot, Department of Engineering and Public Policy.