

YAGMUR MENZILCIOGLU

CURRICULUM VITAE

Washington, DC

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Citizenship: Turkey

EDUCATION

Georgetown University	Washington, DC
<i>Ph.D. Candidate Economics</i>	2019 – 2025 (expected)
Dissertation Title: “Climate Change Policies and Their Unequal Economic Consequences”	
<i>M.A. Economics</i>	2019 – 2020
<i>MSc. Economics</i>	2017 – 2019
Fields: Computational Economics, Financial Economics	
Duke University	Durham, NC
<i>BSc. Economics</i>	2012 – 2016
Certificate in Political Science, Philosophy, and Economics	

RESEARCH FIELDS

Macroeconomics, Climate Change, Environmental and Energy Economics, Public Finance

RESEARCH

Federal Reserve Board	Washington, DC
<i>Dissertation Fellow in the Trade and Financial Studies Division</i>	Summer 2024
Georgetown University	Washington, DC
<i>“Taxing Carbon, Not Competition: Optimizing Market and Environment in a World of Imperfections”</i>	
<i>Abstract:</i> This paper studies how carbon taxation affects emissions, aggregate welfare, and industrial organization. Empirical observations show that carbon-intensive industries tend to have higher measures of market power. The optimal tax levied on concentrated sectors must be differentiated based on the industry market power levels. Using a dynamic general equilibrium model, I find the welfare costs attributable to a uniform carbon tax and the emergence of an endogenous market structure.	
<i>“Equity in Transition: Analyzing the Distributional Impacts of Clean Energy Subsidies”</i>	
<i>Abstract:</i> One concern about green technology subsidies is that they tend to be allocated to high-income households. For example, in the United States, the top income quintile receives more than half of subsidies for rooftop solar panels. This paper studies the heterogeneous welfare effects of subsidizing costly low-carbon technology adoption that reduces global climate change externality across heterogeneous consumers.	
<i>Research Assistant to Dr. Toshihiko Mukoyama</i>	2021 – Present
<ul style="list-style-type: none">- Collected and presented 50+ years of publicly available national, state-level, and industry-level time series data from four U.S. statistical agencies (BEA, CDC, BLS, Census) using Python’s remote access and web scraping features- Synchronized and merged these time series with different observation frequencies into a panel dataset for regression analysis with fixed effects	
<i>Research Assistant to Dr. Dario Caldara, “Systematic Tax Policy and the Business Cycle”</i>	2019

- Quantified that tax stabilization induces a 20% increase in the response of output to a productivity shock by implementing a proxy structural vector autoregression model using 56 years of macroeconomic data
- Conducted policy experiments to understand the stabilization effects of tax policy on aggregate output in response to productivity shocks by running counterfactual simulations

Milken Institute

Washington, DC

Research Intern, Center for Financial Markets (CFM)

Summer 2018

- Prepared memorandums for CFM's research and advisory work to understand the state of financial sector development in two developing countries, Nepal and Uganda
- Created a machine learning training sample with 1,000+ data points through text analysis of IMF Article IV surveillance reports that classify policy areas and methods of recommendations given

Foundation for Defense of Democracies

Washington, DC

Research Intern, Turkey Program

Summer 2016 – Spring 2017

- Monitored Turkish trade registry data to identify sanction-evading trade networks
- Prepared daily memorandums summarizing primary source research on current events, foreign, domestic, and economic policies, and investment patterns to assist journalists and policymakers

SKILLS SUMMARY

Programming Languages: MATLAB, Python, R, Wolfram Mathematica

Statistical Software: PyData Stack, Stata

Other Computer Skills: LaTeX, Microsoft Office Suite (Word, Excel, PowerPoint)

Languages: Turkish (native speaker), English (professional fluency, C1), French (beginner, A1)

TEACHING EXPERIENCE

Georgetown University

Washington, DC

Instructor

- *Undergraduate* Economics Math Camp Summer 2023
- *Ph.D.* Economics Math Camp (co-instructor) Summer 2021, 2022
- *Undergraduate* Principles of Macroeconomics, ECON 002 Summer 2021

Graduate Teaching Assistant

- *Ph.D.* Macroeconomics II, ECON 606 Spring 2021, 2022, 2023, 2024
- *Undergraduate* Environmental Economics, ECON 475 Fall 2022, 2023
- *Master in Business* Predictive Analytics, OPIM 604 Fall 2021, Spring 2022
- *Ph.D.* Macroeconomics I, ECON 605 Fall 2021
- *Undergraduate* Principles of Macroeconomics, ECON 002 Fall 2020

Duke University

Durham, NC

Undergraduate Teaching Assistant

- Calculus I, MATH 111L Spring 2014
- Principles of Electrical and Computer Engineering, ECE 110L Fall 2013

HONORS AND AWARDS

- Georgetown University, The Maloof Fellowship 2024
- Federal Reserve Board, Summer Dissertation Fellowship 2024
- Georgetown University, Summer Dissertation Fellowship 2022
- Georgetown University, Graduate Student Teaching Assistant Award Nominee 2021
- Georgetown University, Graduate School Fellowship 2019 – 2024
- Duke University, Dean's List 2012

PRESENTATIONS

IIES at Stockholm University, Federal Reserve Board*, Macro Seminar at Georgetown*	2024
Georgetown University, Annual Macro Meetings at Georgetown (AMMEEGO)	2023
Georgetown University, Center for Economic Research (GCER) Alumni Conference	2019

** indicates upcoming*

REFERENCES

Prof. Toshihiko Mukoyama (advisor)
Georgetown University
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Prof. Mark Huggett
Georgetown University
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Prof. Margit Reischer
Georgetown University
mr1708@georgetown.edu