YAGMUR MENZILCIOGLU

CURRICULUM VITAE

Washington, DC

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Updated August 2024

Citizenship: Turkey

EDUCATION

Georgetown University   Washington, DC

Ph.D. Candidate Economics   2019 – 2026 (expected)

  Dissertation Title: "Climate Change Policies and Their Unequal Economic Consequences"

M.A. Economics   2019 – 2020

MSc. Economics   2017 – 2019

  Fields: Computational Economics, Financial Economics

Duke University   Durham, NC

BSc. Economics   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

Dissertation Fellow in the International Finance Division   Summer 2024

  - Trade and Financial Studies Section

Georgetown University   Washington, DC

"Taxing Carbon, Not Competition: Optimizing Market and Environment in a World of Imperfections"

  Abstract: 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.

"Equity in Transition: Analyzing the Distributional Impacts of Clean Energy Subsidies"

  Abstract: 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.

Research Assistant to Dr. Toshihiko Mukoyama   2021 – Present

  - 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

Research Assistant to Dr. Dario Caldara, "Systematic Tax Policy and the Business Cycle"   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)	Prof. Mark Huggett	Prof. Arik Levinson
Georgetown University	Georgetown University	Georgetown University
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