

# YAGMUR MENZILCIOGLU

Washington, DC

# CURRICULUM VITAE

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## EDUCATION

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

## RESEARCH FIELDS

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

## RESEARCH

<b>Georgetown University</b>	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 endogenous market structure that arises.	
<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>	Spring 2021 – Present
<ul style="list-style-type: none"><li>- 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</li><li>- Synchronized and merged these time series with different observation frequencies into a panel dataset for regression analysis</li></ul>	
<i>Research Assistant to Dr. Dario Caldara, “Systematic Tax Policy and the Business Cycle”</i>	Spring 2019
<ul style="list-style-type: none"><li>- 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</li></ul>	

- 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**

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**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**

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### **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**

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- Georgetown University Summer Dissertation Fellowship Summer 2022
- Graduate Student Teaching Assistant Award Nominee Fall 2021
- Georgetown University Graduate School Fellowship Fall 2019 – Spring 2020
- Duke University Dean's List Fall 2012

## **CONFERENCE PRESENTATIONS**

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- Georgetown University, Annual Macro Meetings at Georgetown (AMMEEGO) 2023
- Georgetown University, Center for Economic Research (GCER) Alumni Conference 2019