

Yunus Cem YILMAZ

CONTACT INFORMATION

Northeastern University Department of Economics
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EDUCATION

Northeastern University, Boston, Massachusetts USA **Expected in May 2022**

Ph.D. in Applied Economics (GPA: 3.89)

Interests: Industrial Organization, Labor Economics, Development Economics

Committee: James Dana Jr., Bilge Erten, Mindy Marks, Imke Reimers

Relevant Courses: *Machine Learning & Pattern Recognition, Industrial Organization I-II, Labor Market Analysis I-II, International Economic Development, Microeconomic Theory I-II, Games & Behaviors, Health Economics, Applied Econometrics I-II, Math & Stats for Economists*

Koç University, Istanbul, Turkey

August 2017

Bachelor of Arts in Economics & Bachelor of Arts in History (GPA: 3.65)

Magna Cum Laude, Vehbi Koç Scholar

Relevant Courses: *Econometrics, Labor Economics, Economy of Information & Contracts, Game Theory & Strategy, Industrial Organization, Money & Banking, International Finance, Differential Equations, Independent Study on the Turkish Labor Market*

Trinity University, San Antonio, Texas USA

May 2014

Bachelor of Science in Engineering Science (Transferred to Koç University) (GPA: 3.48)

Relevant Courses: *Calculus I, II, III, Differential Equations & Linear Algebra*

The Koç School, Istanbul, Turkey

June 2013

High School Diploma & International Baccalaureate (GPA: 3.68)

Science & Math Track: IB HL Chemistry, Physics, Business; IB SL Mathematics, English Literature, Turkish Literature

RESEARCH

Working Papers

- "Estimating the Effects of One Extra Year of High School in Turkey"

Work in Progress

- "Welfare Effects of Fleet-Wide CO2 Emissions Pooling in the EU"
- "Local Public Goods and the Rise of Turkish Islamic Parties" (with Bilge Erten, Thomas Gautier, Gedeon Lim, and Erik Meyersson)

TEACHING EXPERIENCE

Northeastern University, Boston, Massachusetts USA

September 2017-Present

Graduate Teaching Assistant

Graduate Courses:

- Framework of Industrial Organization (Spring 2020) - Prof. Imke Reimers
- Global Managerial Economics (Spring 2020) - Prof. James Dana Jr.
- Information Economics and Game Theory (Spring 2020) - Prof. James Dana Jr.
- Microeconomic Theory II (Fall 2019) - Prof. Patrick Legros
- Microeconomic Theory I (Fall 2019) - Prof. James Dana Jr.

Undergraduate Courses:

- Behavioral Economics (Fall 2021) - Prof. Silvia Prina
- Statistics (Spring 2021) - Prof. Philip Hanser
- Economics of Sustainability (Spring 2021) - Prof. Madhavi Venkatesan
- Economics of Race (Spring 2021) - Prof. Madhavi Venkatesan
- Microeconomic Theory (Spring 2020) - Prof. Imke Reimers
- Principles of Microeconomics (Spring 2019) - Prof. Donghee Jo
- Labor Economics (Fall 2018) - Prof. Mindy Marks and Prof. Alicia Sasser Modestino
- Women's Labor and the Economy (Fall 2017-Spring 2018) - Prof. Mindy Marks

Tasks:

- Guided students on course material by holding weekly office hours and review sessions before exams
- Covered some lectures on undergraduate level microeconomics and labor economics
- Contributed to students' understanding of statistical software via workshops and online videos on Stata and Excel
- Graded and proof-read homework, projects and exams on undergraduate and graduate level microeconomics, labor economics and industrial organization courses
- Created problem sets and exam questions for newly designed microeconomics course aimed at first year students

RESEARCH
EXPERIENCE

Northeastern University, Boston, Massachusetts USA **September 2020-February 2021**
Graduate Research Assistant

Worked with Prof. Bilge Erten and Prof. Silvia Prina

- Edited code in R to geocode and combine domestic violence related calls to police departments in multiple cities
- Converted code from R to Stata to combine geographic and individual data on domestic violence, employment, food insecurity, and immigration enforcement
- Designed heterogeneity analyses using event studies and diff-in-diff to estimate the effects of COVID-19 on domestic violence

Northeastern University, Boston, Massachusetts USA **July-September 2019**
Graduate Research Assistant

Worked with Prof. James Dana Jr.

- Wrote Python code to download and order Amazon sales, price data from keepa.com using Keepa API
- Automated the conversion and combination of the data sets obtained through Keepa using Python and Stata
- Planned, justified and ran regressions based on testable predictions of the economic theory of damaged goods using the created data set with Stata

PROFESSIONAL
EXPERIENCE

Analysis Group, Boston, Massachusetts USA **June-August 2021**
Summer Associate

- Explored and analyzed client data using Stata, R and SAS
- Worked on creating client-ready exhibits through the Microsoft Office Suite

Northeastern University, Boston, Massachusetts USA **May-September 2020**
Academic Technology Scholar

- Learned to teach effectively in online or hybrid settings using Canvas LMS and integrated tools through an online course
- Assisted Northeastern University faculty in their adjustment to Canvas LMS, integrated tools, Zoom and Microsoft Teams through one-on-one sessions
- Held consulting sessions with faculty to help them adapt better teaching practices for the online/hybrid format in their Fall semester courses and discuss digital pedagogy

AvivaSA Pension & Life Insurance, Istanbul, Turkey **August-September 2016**

Cash & Fund Management Intern

- Compared the SAP BusinessObjects software output with accounting spreadsheets to calculate and verify collections from customers
- Evaluated and reported on the daily fund compositions of retirement pension funds managed by the company
- Led and trained a group of newly hired high school interns in the use of work-related software, firm resources

LEADERSHIP
EXPERIENCE

Northeastern University Economics Graduate Student Association, Boston, Massachusetts
USA **August 2020-Present**

Treasurer

- Recruited students to the club to increase intra-department interaction among graduate students during the COVID-19 pandemic

Grimatz Enterprises, Istanbul, Turkey **September 2011-January 2013**

Student General Manager

- Recruited and employed 20 students to work for the non-profit junior achievement company
- Collected over \$ 1000 of aid to help the earthquake victims of Van by arranging and supervising sales of food

COMMUNITY
SERVICE

Khan Academy Türkçe, Istanbul, Turkey **October 2011-January 2013**

Student Communications Manager

- Mobilized and managed 20 students to volunteer for the translation of online learning website Khan Academy to Turkish in order to make it more accessible to high school students in Turkey
- Arranged meetings to streamline the translation process and solve common issues encountered by translators
- Translated educational videos for students on Chemistry, Physics and Mathematics at the high school level

SKILLS

Quantitative: Econometrics, Optimization, Classical and Bayesian Statistics, Machine Learning, Data Scraping & Cleaning

Data Processing & Presentation: Stata, Python 3, R, SAS, MATLAB, SPSS, Microsoft Office Suite, LaTeX

Computer Programs & Programming: HTML/CSS, SAP BusinessObjects, Adobe Photoshop, Adobe Dreamweaver, Creo, CircuitLab

Languages: Turkish (Native), German (Pre-Intermediate), Kurdish (Basic), Ottoman (Basic)