Yakup Kutsal Koca

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https://ykkoca.github.io

Research Fields

Macroeconomics, Labor Economics

Education

University of Southern California 2020 - 2026 (Expected)

    Ph.D in Economics

Middle East Technical University 2016 - 2019

    M.S. in Economics

        Thesis: *State Dependent Price Setting and Monetary Non-Neutrality in a Small Open Economy*

Bilkent University 2010 - 2015

    Industrial Engineering *(Full Scholarship)*

Research

Labor Market Outcomes of AI Automation *(Job Market Paper)*

Abstract: AI automation is a central issue for the labor market, and the purpose of this study is to look at the effects of AI automation on employment and wage distribution. While there are studies that concern how exposed the occupations are to AI technologies, I take into account the worker redistribution that comes with workers being replaced by AI. I use a model of labor supply to determine the income, as well as the latent productivity variable that is required to estimate a worker's income across all occupations.

Measuring Limited Mobility Bias *(Work in Progress)*

Work Experience

Central Bank of the Republic of Turkey - Researcher / Junior Economist 2016 - 2020

As part of the modelling and projections team

- Produced medium term forecast for GDP, inflation, unemployment and other policy relevant statistics.
- Worked on the medium-term projection model.
- Worked on the transition to a larger scale model.

As part of the inflation analysis team

- Conducted short term inflation forecasts.
- Contributed to monthly and quarterly inflation outlook reports.
- Developed models for inflation forecasting & analysis purposes.

Teaching Experience

- Teaching assistant for Intermediate Macroeconomics at USC

- Teaching assistant for Intermediate Microeconomics at USC

- An Introduction to Kalman Filter, *as a part of Applied Econometric for Emerging Market Central Banks, at Istanbul School of Central Banking (2018)*

Awards

Ph.D Fellowship at University of Southern California

Programming Languages and Computer Programs

R, Matlab (+Dynare), Python, Stata

Language

Turkish (Native), English