

# CURRICULUM VITAE (January 2025)

## Personal Information

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## Academic Background

- 2020-2025** Ph.D. in Economics, Istanbul Kadir Has University, Istanbul, Turkey  
**Ph.D. Thesis:** Inequality, post-COVID Inflation, and Incomes Policy in A Two Household SFC Model for the UK Economy,  
**Supervisor:** Prof. Dr. Alp Erinc Yeldan
- 2017-2020** MA in Economics, Marmara University, Istanbul, Turkey  
**MA Thesis:** Production, Profit, and Money: Classical Theory of Inflation and Its Application to European Countries,  
**Supervisor:** Dr. Nedim Süalp
- 2012-2017** BA in Economics, Kemerburgaz University, Istanbul, Turkey

## Work Experience

- 5/2020-Present Research Assistant**, Istanbul 29 Mayıs University, Department of Economics  
*Courses assisted: Intermediate Microeconomics I&II; Intermediate Macroeconomics I&II; Turkish Economy; Current Topics in Economics II; Big Data Analytics*
- 8/2019-4/2020 Data Scientist**, Intellity AI Solutions, İstanbul  
*I worked on text mining methodologies, analyzing Twitter real-time data, customer suggestions, complaints, and demands data. I also developed churn data prediction-based R Shiny Web application. It generates real-time customer churn risk scores. Details of these works are presented in the following Projects part.*

## Awards and Grants

- 2022, April** Best Presentation, 17 April 2022, Why R Turkey 2022
- 2016, Sep** Academic Achievement Awards, 15 Sep 2016, Kemerburgaz University
- 2016, May** Best Academic Research, 12 May 2016 Congreconomics II., Marmara University

## Languages

**English:** (Fluent), **Turkish:** (Native)

## Publications

- Özden, Oktay, Bolkol, Hakkı Kutay and Baki Demirel. 2024. The endogenous money hypothesis: empirical evidence from Türkiye (2008-2020). *PSL Quarterly Review* 77(308): 23-57.
- Ozden, Oktay and Bolkol, Hakkı Kutay. 2023. Shaikh's Theory of Inflation: Empirical Evidence from European Countries (2001–20). *Review of Political Economy* 1-21.
- Özden, Oktay. 2023. Türkiye ekonomisinin yapısı: by Özgür Orhangazi (Istanbul: İmge Kitapevi, 2020). *Rethinking Marxism* 36.1: 124-130.
- Özden, Oktay. 2023. Reglobalisation When China Meets the World Again, *Review of Keynesian Economics*.
- Özden, Oktay. 2022. The Climate Crisis and the Global Green New Deal: The Political Economy of Saving the Planet, *Trakya Üniversitesi İktisadi ve İdari Bilimler Fakültesi E-Dergi*.
- Özden, Oktay. 2017. Discouraged workers in the Turkish Labor Market: 1988-2014. *International Journal of Social Sciences and Education Research*, 3(3): 734-750.

## Work in Progress

Heterodox Theories of Inflation, Book Chapter **Routledge**, (expected for publication in 2025)

Post-COVID Inflation Dynamics and Income Distribution in the UK: A Two Household SFC Model

## Conference Presentations & Proceedings

*Post-COVID Inflation Dynamics and Its Distributional Effects in the UK: A Two Household SFC Model, 2024;*

presented at 2nd Efil Congress on Economics and Society, 2024, Tobb University of Economics & Technology, Istanbul, 19-20<sup>th</sup> December 2024

presented at the Historical Materialism 2024 Istanbul Conference, Istanbul Kadir Has University, Istanbul, 5-7<sup>th</sup> April 2024

*Gelir ve Servet Eşitsizliğinin Dinamikleri: Post-Keynezyen Yaklaşımda Stok Akım Tutarlılığı Model Önerisi, 2023;*

İktisadi Düşünceler Tarihi Denizli Çalıştayı'nda sunuldu, İktisadi Düşünce Girişimi, Pamukkale Üniversitesi, Denizli, 12-12 Ekim 2023

*Understanding the causality among monetary aggregates: An Empirical Evidence from Turkey 2008-2020 (with Hakkı Kutay Bolkol and Baki Demirel), 2022;*

presented at the 8<sup>th</sup> ICE-TEA, International Conference of Economics organized by Turkish Economic Associations Economics, in Cappodocia University, Nevşehir, Turkey, 1-4 Sep 2022

*Revisiting Shaikh's Theory of Inflation: An Empirical Analysis from European Countries (with Hakkı Kutay Bolkol),*

presented at the 24<sup>th</sup> Annual Conference of the Association for Heterodox Economics, in association with SOAS, the University of London, 6-8 July 2022, London, U.K.

presented at the Historical Materialism Istanbul Conference, Istanbul Kadir Has University, Istanbul, 17<sup>th</sup> April 2022

*Canada Securities Transition Office problem: COVID and Global Capital Flows*

Worked under the topic (3) *Canadian Securities Transition Office problem: COVID and Global Capital Flows,*

presented at Extended Problem-Solving Workshop, The Fields Institute for Research in Mathematical Sciences, Canada

*Topictisat ile İktisatçıların Twitter Verilerinin Analizi: İktisatçılar ekonomi gündemini nasıl okuyor?*

presented at Why R Turkey 2022, İstanbul, Turkey

Eichner's Megacorps and Oligopoly: Post-Keynesian analysis of pricing pattern for Turkish Industries,

presented at Asos Congress – Social and Humanities Sciences, in Yıldız Technical University, Istanbul, 27<sup>th</sup> September 2018

*Discouraged Workers in the Turkish Labor Market: 1988-2014,*

presented at Congreconomics II, Marmara University, Istanbul, 12<sup>th</sup> May 2016;

presented at 19<sup>th</sup> International Students' Conference on Economics, Ege University, Izmir, 27-29<sup>th</sup> April 2016

## **Memberships**

Post-Keynesian Economics Society

Association for Heterodox Economics

## **Computer Skills**

**R** (Advanced), **Stata** (Advanced), **Python** (Intermediate), **Eviews** (Intermediate)

## **Data Science Projects**

**UK-SFC App**- Large scale differential equation system, parallel programming, GPU computing

This application is based on a Stock-Flow Consistent (SFC) model designed to analyze income and wealth inequality, post-COVID inflation dynamics, and distributional processes in the UK economy. This web application developed with R Shiny provides interactive future simulation based on incomes policy to combat inflation and inequality between workers and rentiers. For details see the website below, looking at "Basic User Manuel." App Password: wynnegodley

Link: <https://oktayozden.shinyapps.io/UKSFC/>

### **Topictisat –Twitter Shiny Dashboard -Text Mining, Wordcloud, Biagram Methodology**

It is a web dashboard developed through R. In this project, the Twitter data of 102 economists, who have actively used Twitter, is analyzed. I classify two groups such as heterodox and mainstream economists. And then, I will empirically analyze the perceptible and sensorial differences in their economic agenda. Topictisat has automatically collected weekly Twitter data since January 2022. It works actively on the website below. Moreover, Topictisat was awarded by Why R Turkey 2022 committee with 250\$ book gift.

Packages: shiny, plumber, plyr, mfx, forcats, dplyr, ggplot2, plotly, etc.

Web: <https://oktayozden.shinyapps.io/topictisat/>

### **Spectra AI – R based Churn Data Analysis – Logistic regression, bar & pie graphs**

I developed it for Istanbul based security firm. It is the most prominent firm in the market. Its operation was conducted for 81 different provinces of Turkey. Spectra AI is a shiny app that uses logistic regression techniques to understand the churn risk of real-time customers. It estimates churn probability scores of each customers minutes by minutes.

Packages: shiny, plumber, plyr, mfx, forcats, dplyr, ggplot2, plotly, etc.

Git: Data is private!

### **R Shiny Text Mining Project – Biagram Methodology, Frequency Bar Plots, Wordcloud, Biagram**

It is a Shiny web-app project completed for Istanbul Municipality. It analyses real-time data, including public complaints, suggestions, and demands. It briefly summarizes real-time daily data which have come from people who are passengers, retired, workers, etc.

Packages: shiny, forcat, igraph, ggraph, plotly, dplyr, snowballc, quanteda, plumber, etc.

Git: Data is private!

### **Covid19 Shiny Dashboard – Leaflet project, map visualization, web data reading, etc.**

Real-time covid 19 data visualization; covid19 cases & death data. I use leaflet packages to visualize World map. It also visualizes country-specific cases and comparisons between countries.

Packages: Shiny, leaflet, ggplot2, lubridate, janitor, gdata, httr, etc.

Git: <https://github.com/oktayozden/R-shiny-COVID19Dashboard>