

SEDAT ORS

[Website](#) [LinkedIn](#) [Github](#)

CONTACT INFORMATION

Georgia Institute of Technology, School of Economics,
221 Bobby Dodd Way, Atlanta, GA 30332-0615

Email: sors3@gatech.edu
Phone (Whatsapp): +1 404-834-2985

EDUCATION

- PhD in Economics, Georgia Institute of Technology, Atlanta, GA 2026 (Expected)
 - MS in Economics, Georgia Institute of Technology, Atlanta, GA 2025
 - MA in Economics University of Hawaii at Manoa, Honolulu, HI 2019
 - BA in Economics, TOBB University of Economics and Technology, Ankara, Türkiye 2011

RESEARCH INTERESTS

Areas: Climate Change, Development Economics, Health Economics, International Trade

Methods: Econometrics, Data Mining, Applied Statistics.

PUBLICATIONS

1. **Örs, S.**, Tekin M., and Beydilli K. (2024). İklim Değişikliği ve Göç: KKTC'den Türkiye'nin Bazı Şehirlerine Yönelik Göçün Çekim Modeli Yaklaşımıyla Analizi (Climate Change and Migration: Analyzing the Movement from TRNC to Turkish Cities Using a Gravity Model Approach). *Ekonomik Yaklaşım*, 35(133). 449-478 [Link]

UNDER REVIEW

1. Analyzing Energy Usage: An Index Decomposition Analysis and Econometrics Approach: Evidence from Türkiye (*with Fatih Hakan Dikmen, Sıdıka Başçı & Kübra Beydilli*). [R&R, Energy & Environment] [\[Link\]](#)

WORKING PAPERS

1. "Türkiye at the Crossroads: Climate Change Impacts and Internal Migration" [JMP] [[Link](#)]
 2. "Climate Change and Health Risks: Understanding Exposure and Vulnerability"
 3. "The Impact of Climate Change on International Agricultural Trade"

WORK IN PROGRESS

1. "The Effect of Climate Law on CO₂ Emissions and Agricultural Production in developing countries"
 2. "Public Procurement and Climate Change: The Role of Green Finance in Advancing Climate Goals"

RESEARCH EXPERIENCE

- Research Fellow, Ministry of National Education of the Republic of Turkiye 08/2017 - Present
Areas: Climate Change Policy, Spatial data, Data for social good, Data analysis.
Supervisor: Dr. Burhanettin Coskun
 - Research Assistant, Osmaniye Korkut Ata University 03/2016 - 08/2017
Areas: Economics and Business Analytics.
Supervisors: Dr. Zeynep Turk

¹Updated December 3, 2025

- Research Assistant, Yildirim Beyazit University

02/2012 - 03/2016

Areas: Electricity and Energy Consumption.

Supervisor: Dr. Abdulkadir Develi

TEACHING EXPERIENCE

Osmaniye Korkut Ata University

- Teaching Assistant

03/2016 - 08/ 2017

Courses: Principles of Economics, Business Analytics

Responsibilities: Assisted lectures, graded assignments, and held office hours for undergraduate students

Yıldırım Beyazıt University

- Teaching Assistant

03/2012 - 08/2016

Courses: Energy Economics, Statistics, Introduction to Mathematics for Economist

Responsibilities: Supported course instruction, prepared teaching materials, and assisted in lab sessions

CONFERENCE ATTENDANCE

- Southeastern Workshop on Energy and Environmental Economics and Policy (SWEEEP), Atlanta, GA 10/2025
- The Road to 2030: Accelerating Progress on the Sustainable Development Goals, Kyrenia, North Cyprus 05/2025
- Euro-Mediterranean Conference for Environmental Integration (EMCEI-23), Rende (Cosenza), Italy 10/2023
- Summer Institute in Computational Social Science (SICSS), Atlanta, GA 07/2023

SKILLS

Software: Python, R, Stata, GitHub, L^AT_EX.

Methods: Econometrics (DID, IV, RD, SUTVA), Linear/Logistic regression, PPML, ARDL, Decision trees (CART), Random forest, K-Means, Text analysis, ANOVA.

ML Libraries: Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, Scikit-TDA, SciPy, Keras, TensorFlow, PyTorch, DoWhy, EconML, Causal ML.

Languages: English (fluent), German (B1), Turkish (native)

AWARDS

- Full Scholarship for Master's and Ph.D. Studies

2017 - Present

Awarding Institution: Ministry of National Education, Republic of Türkiye

Description: Covers full tuition and provides a monthly stipend for living expenses during graduate studies

- Undergraduate Scholarship

2006 – 2010

Full Scholarship: TOBB University of Economics and Technology, Türkiye

REFERENCES

Matthew Oliver (Advisor)

Associate Professor

School of Economics

Georgia Institute of Technology

Email: matthew.oliver@econ.gatech.edu

Tibor Besedes

Professor

School of Economics

Georgia Institute of Technology

Email: tibor.besedes@econ.gatech.edu

Daniel Dench

Assistant Professor

School of Economics

Georgia Institute of Technology

Email: dench@gatech.edu