# SEDAT ORS

#### Website LinkedIn Github

### CONTACT INFORMATION

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

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### 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). [RR, Energy & Environment] [Link]

### Working Papers

- 1. "Türkiye at the Crossroads: Climate Change Impacts and Internal Migration (with Matthew E. Oliver, Georgia Institute of Technology)" [JMP] [Link]
- 2. "The Impact of Climate Change on Health in Türkiye: A Panel Data Analysis for Turkish Cities"
- 3. "The Impact of Climate Change on International Trade in Türkiye'

### Work in progress

- 1. "The Effect of Climate Law on  $\mathrm{CO}_2$  Emissions and Agricultural Production in Türkiye"
- 2. "The Impact of Climate Change on Drinking Water Availability in Drought-Prone Regions of Türkiye"

## 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

Areas: Economics and Business Analytics.

<sup>1</sup>Updated November 16, 2025

03/2016 - 08/2017

Supervisors: Dr. Zeynep Turk

• Research Assistant, Yildirim Beyazit University

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, LATEX.

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 Türkive

Email: matthew.oliver@econ.gatech.edu Email: tibor.besedes@econ.gatech.edu

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

• Undergraduate Scholarship

Full Scholarship: TOBB University of Economics and Technology, Türkiye

2006 - 2010

Email: dench@gatech.edu

# REFERENCES

Matthew Oliver (Advisor)Tibor BesedesDaniel DenchAssociate ProfessorProfessorAssistant ProfessorSchool of EconomicsSchool of EconomicsSchool of EconomicsGeorgia Institute of TechnologyGeorgia Institute of TechnologyGeorgia Institute of Technology

02/2012 - 03/2016