

# Emin Ahmet Kaplan

## ASSOCIATE PROFESSOR OF ECONOMETRICS

Karamanoğlu Mehmetbey University · Kamil Özdağ Faculty of Science  
Department of Data Science and Analytics · Yunus Emre Campus, Karaman, Türkiye

eminahmet@kmu.edu.tr · eminahmet@gmail.com · www.eminahmetkaplan.com

ORCID 0000-0002-4808-8529 · Scopus 57471753100 · Web of Science HHN-1857-2022 · YÖKSİS 44691

## RESEARCH INTERESTS

Panel data econometrics · time-series analysis · applied macroeconometrics · energy & environmental economics · institutional economics · Islamic finance & Bayesian volatility modelling · public finance & tax compliance · sustainable development. Methodological focus on cross-sectionally dependent panels, distributional and causal estimators, and Bayesian volatility models.

## EDUCATION

2022	<b>Associate Professorship (Doçentlik) in Econometrics</b> Interuniversity Council of Türkiye (ÜAK)
2014–2019	<b>Ph.D. in Econometrics</b> Gazi University, Institute of Social Sciences · GPA 3.75 Dissertation: <i>New Institutional Political Economy: An Empirical Investigation</i> (2019) · Advisor: Prof. Dr. Alpaslan Akçoraoğlu
2011–2014	<b>M.Sc. in Econometrics (with thesis)</b> Gazi University, Institute of Social Sciences · GPA 3.25 Thesis: <i>The Effect of Political Stability on Economic Growth: An Empirical Investigation</i> (2014) · Advisor: Prof. Dr. Alpaslan Akçoraoğlu
2012–2017	<b>Associate Degree, Justice Program</b> Anadolu University, Open Education Faculty
2007–2010	<b>B.A. in International Relations (double major)</b> Gazi University, Faculty of Economics and Administrative Sciences · GPA 3.10
2004–2009	<b>B.Sc. in Econometrics</b> Gazi University, Faculty of Economics and Administrative Sciences · GPA 3.25

## ACADEMIC APPOINTMENTS

2025–present	<b>Associate Professor</b> Karamanoğlu Mehmetbey University, Kamil Özdağ Faculty of Science, Department of Data Science and Analytics
2022–2025	<b>Associate Professor</b> Karamanoğlu Mehmetbey University, Faculty of Health Sciences, Department of Social Work
2022	<b>Assistant Professor</b> Karamanoğlu Mehmetbey University
2017–2022	<b>Research Assistant</b> Karamanoğlu Mehmetbey University
2011–2017	<b>Research Assistant</b> Gazi University
2010–2011	<b>Research Assistant</b> Karamanoğlu Mehmetbey University

## ADMINISTRATIVE & EDITORIAL SERVICE

---

- 2022–2025 **Head of Department**  
Social Development and Social Policy, Department of Social Work, Karamanoğlu Mehmetbey University
- 2021–2022 **Editor**  
*Current Developments in Economics: Panel Data Applications* (İktisatta Güncel Gelişmeler: Panel Veri Uygulamaları), Gazi Kitabevi
- Peer Reviewer & Methodology Consultant**  
Multiple SSCI / SCIE-indexed journals

## AWARDS & HONOURS

---

- 2026 **TÜBİTAK Publication Incentive (UBYT) Award**  
Scientific and Technological Research Council of Türkiye · with S. Şahin & M. Doğan
- 2022 **TÜBİTAK Publication Incentive (UBYT) Award**  
Scientific and Technological Research Council of Türkiye · with A. Akıncı & S. Usta
- 2015 **First Prize, 6th Prof. Dr. M. Orhan Dikmen Research Competition**  
Economic Research Foundation (İAV) · with M. R. Dayıoğlu
- 2012 **Enterprise Performance in Asia (EPA) Research Grant**  
AIM Policy Center (APC) / IDRC, Philippines · with M. Özcan

## FUNDED RESEARCH PROJECTS

---

- 2025–present **Climate Change Is in My Frame**  
European Union · €42,153 · Researcher (ongoing)
- 2024–2025 **Developing a Youth Strategy for the Green Deal**  
European Union · €25,360 · Researcher (completed)
- 2021–2022 **ENHANCER — Enhancement of Entrepreneurship Capacities for Sustainable Socio-Economic Integration**  
European Union · Researcher
- 2015 **Sugar Industry Research Project**  
National · Researcher (completed)
- 2012–2013 **Classification of Innovative Structures of Asian Economies: A Clustering Analysis Approach**  
World Bank / AIM Policy Center – IDRC · Researcher (completed)

## SUPERVISED THESES

---

- 2024 **M.Sc. — Oğuzhan Köşeler**  
*The Relationship Between Service Quality and Customer Satisfaction in After-School Activities at Special Education Institutions.* İstanbul Sabahattin Zaim University, Institute of Graduate Studies, Department of Business Administration (completed)

## TEACHING

---

- Probability and Statistics I & II**  
Department of Data Science and Analytics
- Statistics**  
Department of Social Work
- Scientific Research Methods and Techniques**  
Department of Social Work
- General Economics · Introduction to Economics**  
Faculty of Health Sciences
- Professional Foreign Language I**  
Faculty of Health Sciences

*Articles in SCIE / SSCI / ESCI / Scopus-Indexed Journals*

1. Aslan, A., **Kaplan, E.A.**, Sarıtaş, T., & Büyükkör, Y. (2026). Drivers of sustainable energy transition in advanced economies: The role of AI, governance, and resource rents. *OPEC Energy Review*. doi:10.1111/opec.70003 ESCI · Q3
2. Sarıtaş, T., Büyükkör, Y., **Kaplan, E.A.**, & Aslan, A. (2026). Digital intelligence, regulation and green growth: Evidence from EU countries. *Digital Policy, Regulation and Governance*. doi:10.1108/DPRG-01-2026-0045 ESCI Q2 · SCOPUS Q2
3. Büyükkör, Y., Sarıtaş, T., **Kaplan, E.A.**, & Aslan, A. (2026). Institutions, technology, and the energy paradox: Path dependence and cross-sectoral spillovers in space development. *New Space*. doi:10.1177/21680256261449400 ESCI Q3 · SCOPUS Q2
4. Sarıtaş, T., **Kaplan, E.A.**, Büyükkör, Y., & Aslan, A. (2026). Does energy security threaten the rule of law? Dynamic evidence from the European Union. *Environmental Politics*. doi:10.1080/09644016.2026.2676376 SSCI
5. Sarıtaş, T., **Kaplan, E.A.**, Büyükkör, Y., & Aslan, A. (2026). Digital innovation for a greener future: The role of artificial intelligence in Europe's biofuel transition. *Biofuels, Bioproducts & Biorefining*. doi:10.1002/bbb.70188 SCIE Q2 · SCOPUS Q2
6. Büyükkör, Y., Sarıtaş, T., **Kaplan, E.A.**, & Aslan, A. (2026). Macroeconomic and institutional impacts of energy security risk in the European Union. *International Economics and Economic Policy*, 23, 35. doi:10.1007/s10368-026-00733-8 ESCI · SCOPUS Q2
7. Sarıtaş, T., **Kaplan, E.A.**, Büyükkör, Y., & Aslan, A. (2026). Artificial intelligence investments and nuclear energy consumption: Evidence from Europe. *Technological Sustainability*. doi:10.1108/TECHS-12-2025-0273 SCOPUS · Q2
8. Sarıtaş, T., Büyükkör, Y., **Kaplan, E.A.**, & Aslan, A. (2026). Institutional resilience and energy security risks: Comparative evidence from European Union member states. *World Affairs*. doi:10.1002/waf2.70069 SCOPUS · Q2
9. Aslan, A., **Kaplan, E.A.**, Sarıtaş, T., & Büyükkör, Y. (2026). Artificial intelligence and green growth nexus: Evidence from OECD countries using panel CS-ARDL and wavelet analysis. *Management of Environmental Quality*. doi:10.1108/MEQ-08-2025-0576 ESCI Q2 · SCOPUS Q1
10. Yılmaz Toplu, Ö., Şahin, S., & **Kaplan, E.A.** (2026). The double-edged net: A wavelet coherence analysis of artificial intelligence's perverse effect on carbon dioxide emissions in global fisheries. *Science of the Total Environment*. doi:10.1016/j.scitotenv.2025.181233 SCIE · Q1
11. **Kaplan, E.A.**, Sarıtaş, T., Büyükkör, Y., & Aslan, A. (2026). Tourism and sustainable development in the Mediterranean: Evidence from robust panel CS-ARDL analysis. *Sustainable Development*. doi:10.1002/sd.71142 SSCI · Q1
12. Akar, G., **Kaplan, E.A.**, Güler, İ., & Şahin, S. (2025). Has the environmental Kuznets curve hypothesis become stronger? A comparative analysis for OECD countries and selected late-industrializing Asian economies. *Journal of Environmental Management*. doi:10.1016/j.jenvman.2025.127575 SCIE · Q1
13. Şahin, S., Doğan, M., & **Kaplan, E.A.** (2025). The role of environmental technologies in carbon decoupling: A pathway to zero emissions in Türkiye. *Journal of Environmental Management*. doi:10.1016/j.jenvman.2025.127143 SCIE · Q1
14. Şahin, S., **Kaplan, E.A.**, & Toplu Yılmaz, Ö. (2025). Green bonds and sustainable finance: A multidimensional analysis of macroeconomic and environmental determinants across nine countries. *Review of World Economics*. doi:10.1007/s10290-025-00610-7 SSCI · Q2
15. Akıncı, A., Usta, S., & **Kaplan, E.A.** (2023). The relationship between economic growth and institutional variables: A panel cointegration analysis for EU countries. *Journal of the Knowledge Economy*, 14, 2395–2419. doi:10.1007/s13132-022-00928-9 SSCI · Q2

*Articles in Other International Refereed Journals*

1. **Kaplan, E.A.**, Hoş, Z., & Güler, İ. (2023). The effect of social security spending on economic growth in selected Eastern European EU-candidate countries and in Turkey. *South East Europe Review (SEER)*, 26(1), 95–109. doi: 10.5771/1435-2869-2023-1-95
2. **Kaplan, E.A.**, & Erul, M. R. (2023). The tax–democracy relationship in the Turkic world: The Montesquieu paradox dilemma. *Fiscaeconomia*, 7(1), 301–326. doi:10.25295/fsecon.1116832
3. Burgaz, N., & **Kaplan, E.A.** (2022). Fiscal dominance in Turkey: An ARDL approach for the 1980–2021 period. *Ekonomik ve Sosyal Araştırmalar Dergisi*, 18(1), 41–50.
4. **Kaplan, E.A.**, Güler, İ., & Kırac, İ. (2022). The relationship between international migration, employment and mobile phone subscriptions using a qualitative choice model: An application for EU candidate countries. *Anadolu Kültürel Araştırmalar Dergisi*, 6(1), 16–30. doi:10.15659/ankad.v6i1.181
5. Güler, İ., & **Kaplan, E.A.** (2021). The relationship between renewable energy and sustainable green employment within the framework of combating climate change. *Türk Kamu Yönetimi Dergisi*, 2(2), 105–115.

6. **Kaplan, E.A.**, & Erul, M. R. (2021). Cigarette consumption and taxes: An analysis within the framework of a logit model. *Türk Yönetim ve Ekonomi Araştırmaları Dergisi*, 2(2), 89–100.
7. Burgaz, N., & **Kaplan, E.A.** (2021). An analysis of the relationship between Europe's demographic change process and growth, unemployment and inflation. *USBAD Uluslararası Sosyal Bilimler Akademik Dergisi*, 3(6), 1064–1085. doi:10.47994/usbad.936715
8. Altan, Ş., **Kaplan, E.A.**, & Doğan, S. (2018). Economic growth and development: A case study for Turkey with data envelopment and panel data models. *The Empirical Economics Letters*, 17(8), 1041–1054.
9. **Kaplan, E.A.**, & Akçoraoğlu, A. (2017). Political instability, corruption, and economic growth: Evidence from a panel of OECD countries. *Business and Economics Research Journal*, 8(3), 363–377. doi:10.20409/berj.2017.55
10. **Kaplan, E.A.**, & Dayioğlu, M. R. (2017). The burden on the economy: Terrorism. *Journal of International Social Research*, 10(49), 623–636. doi:10.17719/jisr.2017.1614
11. **Kaplan, E.A.**, & Dayioğlu, M. R. (2016). The economic and political determinants of exports: A VAR analysis application for Turkey. *Balkan Journal of Social Sciences (BJSS)*.
12. Dayioğlu, M. R., & **Kaplan, E.A.** (2016). The effects of crisis periods on foreign trade volume: An analysis of the Euro crisis using a panel gravity model. *Finans Politik ve Ekonomik Yorumlar*, 53(618), 31–42.

### Articles in National Refereed Journals

1. **Kaplan, E.A.**, & Burgaz, N. (2021). The relationship between demographic indicators and inflation: The case of the European Union. *Fiscaeconomia*, 5(3), 879–902. doi:10.25295/fsecon.945256
2. **Kaplan, E.A.**, & Erul, M. R. (2021). The problem of global turmoil in the dilemma of globalization–multilateralism: Long-term interactions between democracy and economy within the framework of political regimes. *Akademi Sosyal Bilimler Dergisi*, 8(22), 204–224. doi:10.34189/asbd.8.22.011
3. Saraçoğlu, O. F., Dayioğlu Erul, R., & **Kaplan, E.A.** (2020). The tax–democracy relationship in public administration: Testing the Montesquieu paradox for Turkey. *Vergi Sorunları Dergisi*, 384, 43–57.

### Books (Authored & Co-Authored)

1. Güler, İ., & **Kaplan, E.A.** (2022). Housing prices in the spiral of macroeconomic factors. *Nobel Bilimsel Eserler*. ISBN 978-625-433-241-8.
2. **Kaplan, E.A.** (2019). New institutional political economy: An empirical investigation. *Adalet Yayınevi*. ISBN 978-605-300-852-1.
3. **Kaplan, E.A.**, & Dayioğlu, M. R. (2016). The potential effects of the EU–US Transatlantic Trade and Investment Partnership (TTIP) on signatory countries and the Turkish economy. *İktisadi Araştırmalar Vakfı*. ISBN 978-605-9310-14-7.
4. Öztaş, N., Kavruk, H., Erdem, T., Keleş, İ., Yücel Bodur, M., Kesgin, S. S., Ay, M., & **Kaplan, E.A.** (2015). The production process and labour relations in Türkiye's sugar sector: Managerial, legal, sociological and economic dimensions (Sugar Industry Research Project). *Türkiye Gıda ve Şeker Sanayi İşçileri Sendikası*.

### Book Chapters

1. **Kaplan, E.A.**, & Erul, M. R. (2025). Tax evasion perception and the structural characteristics of countries: A cluster analysis within the framework of fiscal sociology. In M. Akdoğan Gedik (Ed.), *Mali Sosyoloji. Eğitim Yayınevi*. ISBN 978-625-385-370-9.
2. Güler, İ., & **Kaplan, E.A.** (2022). The relationship between oil prices and macroeconomic indicators in Turkey. In F. Kalay (Ed.), *Administrative and Economics Sciences: Theory, Current Researches and New Trends 4. IVPE*. ISBN 978-9940-46-096-9.
3. Erul, M. R., & **Kaplan, E.A.** (2022). Voluntary versus enforced tax compliance: Testing the slippery slope framework for Turkey. In R. Dayioğlu Erul (Ed.), *Psikolojik ve Sosyolojik Yönleriyle Vergilendirme. Gazi Kitabevi*. ISBN 978-625-8275-35-3.
4. Güler, İ., & **Kaplan, E.A.** (2022). Interest rate, exchange rate and inflation in Turkey: An investigation under structural breaks. In F. Kalay (Ed.), *İktisadi ve İdari Bilimler 4. IVPE*. ISBN 978-9940-46-091-4.
5. **Kaplan, E.A.** (2022). The long-run institutional determinants of economic growth: The case of hybrid and flawed democracy regimes. In M. Özmen & V. Yurdadoğ (Eds.), *Güncel Ekonomi Çalışmaları II. Akademisyen Kitabevi*. ISBN 978-625-8399-62-2.
6. Güler, İ., & **Kaplan, E.A.** (2022). Sustainable net return in domestic and foreign banking systems: A panel data analysis for Turkey. In E. A. Kaplan (Ed.), *İktisatta Güncel Gelişmeler: Panel Veri Uygulamaları. Gazi Kitabevi*. ISBN 978-625-8413-37-3.
7. Hoş, Z., & **Kaplan, E.A.** (2022). An investigation of Scandinavian countries in the context of the law–economy relationship. In E. A. Kaplan (Ed.), *İktisatta Güncel Gelişmeler: Panel Veri Uygulamaları. Gazi Kitabevi*. ISBN 978-625-8413-37-3.
8. **Kaplan, E.A.**, & Dayioğlu Erul, R. (2020). The determinants of tax evasion: The case of the OECD. In Ş. Karabulut (Ed.), *Vergi Anlayışı ve Uygulamalarının Biçimsel ve Yapısal Karakterleri. Legal Yayıncılık*. ISBN 978-605-315-855-4.

9. Burgaz, N., & **Kaplan, E.A.** (2020). The effectiveness of monetary and fiscal policy measures taken during crisis periods in Turkey. In Ş. Karabulut (Ed.), *Ekonomik, Finansal ve Mali Politikaların Uygulamadaki Yansımaları*. Gazi Kitabevi. ISBN 978-625-7855-76-1.
10. Dayıođlu, M. R., & **Kaplan, E.A.** (2017). An analysis of the determinants of exports in Turkey within the framework of the importance of exports for the Turkish economy. In F. Saraçođlu & M. Çakır (Eds.), *Yrd. Doç. Dr. Yaşar Methibay'a Armađan*. Gazi Kitabevi. ISBN 978-605-344-477-0.

### *Selected Conference Presentations*

1. Yarođlu, Z., & **Kaplan, E.A.** (2026). Disposal of business operations and ESG performance: Evidence from an international panel. *4th Turkish Congress on Computational Social Sciences, Koç University*.
2. **Kaplan, E.A.** (2025). Green growth and the AI indicator in African countries: An FMOLS and wavelet analysis approach (1996–2024). *Ibn Haldun University Istanbul Economy and Society Congress*.
3. **Kaplan, E.A.**, & Kıraç, İ. (2025). Sustainable and inclusive growth dynamics in Africa via spatial panel econometrics: The role of AI, air pollution and mobile subscriptions. *Ibn Haldun University Istanbul Economy and Society Congress*.
4. **Kaplan, E.A.**, & Burgaz, N. (2021). The relationship between Türkiye's demographic change and inflation. *ISSRIS'21 International Symposium*.
5. **Kaplan, E.A.**, & Dayıođlu, M. R. (2016). The effects of global crisis on foreign trade volume of the European Union: An empirical analysis. *4th IBESRA Conference*.
6. **Kaplan, E.A.**, Karakaş, İ. E., Buz, F., & Dayıođlu, M. R. (2015). The results of the European Union crisis on trade volume for the largest exporters to Europe: A panel gravity model analysis. *4th NIFIP International Conference, Porto*.
7. Saraçođlu, B., & **Kaplan, E.A.** (2012). Fragilities in the Turkish economy and leading indicators of financial crisis. *13th International Symposium on Econometrics, Operations Research and Statistics*.

## **SPORTS OFFICIATING & COACHING**

---

2025–present	<b>National Judo Referee</b> Turkish Judo Federation, Ministry of Youth and Sports
2024–present	<b>Provincial Referee, Kurash (Karaman)</b> Turkish Federation for Developing Sports Branches
	<b>Assistant Coach (Level 1), Judo</b> Turkish Judo Federation · provincial judo refereeing since 2009

## **LANGUAGES**

---

**Turkish** (native) · **English** (advanced)