

Sadullah Çelik

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PERSONAL INFORMATION

- Name Surname: Sadullah Çelik
- Place of Birth: Türkiye
- Place of Residence: Aydın

EDUCATION

- Associate Professor: 23 February 2023, Quantitative Decision Methods, Aydın Adnan Menderes University 2023 - ...
- PhD in Econometrics, Bursa Uludağ University, Bursa, Türkiye 2013-2018
 - Advisors: Mustafa Aytaç,
 - Title: Big Data and Application in Statistics
- MA in Mathematics, Ege University, İzmir, Türkiye 2011-2013
 - Advisor: Emin Özyılmaz
 - Title: On the Blaschke Frames of the Line Congruences
- BA in Mathematics, Manisa Celal Bayar University, Manisa, Turkey, 2007-2012

APPOINTMENTS

- Postdoctoral Research Department of Mathematics, George Washington University 02/2025 -
- Associate Professor Department of International Trade and Finance, Aydın Adnan Menderes University 02/2022 – 01/2025
- Assistant Professor Department of International Trade and Finance, Aydın Adnan Menderes University 10/2022 - 02/2023
- Research Assistant Dr. Department of International Trade and Finance, Aydın Adnan Menderes University 05/2021 - 9/2022
- Research Assistant Dr. Department of Econometrics, Aydın Adnan Menderes University 03/2018 - 05/2021
- Research Assistant, Department of Econometrics, Aydın Adnan Menderes University 04/2014 - 02/2018
- Mathematics Teaching, Republic of Türkiye Ministry of National Education 10/2011 - 06/2012

RESEARCH INTERESTS

- Statistical Data Analysis
- Linear Algebra
- Data Science
- Applied Econometrics
- Data Mining
- Text Mining
- Big Data, Synthetic Data
- Machine Learning
- Deep Learning
- Neural Network

PUBLICATIONS

Research Articles

1. Global Sustainability Performance and Regional Disparities: A Machine Learning Approach Based on the 2025 SDG Index". *Sustainability* (with Ömer Faruk Öztürk, Ulas Akkucuk and Mahmut Ünsal Şaşmaz), 2025. 17, 7411. (SCI-Expanded)
2. Çelik, Sadullah, Bilge Doğanlı, Mahmut Ünsal Şaşmaz, and Ulas Akkucuk. 2025. "Accuracy Comparison of Machine Learning Algorithms on World Happiness Index Data" *Mathematics* (with Bilge Doğanlı, Mahmut Ünsal Şaşmaz and Ulas Akkucuk), 13, no. 7: 1176. (SCI-Expanded)
3. Çelik, Sadulla, Gökdemir, T. & Çondur, F. Statistical analysis of the world happiness index by regions. *Quality and Quantity* (with Tuğba Gökdemir and Funda Çondur), 2025. (Scopus)
4. Analysis of Skills and Qualifications Required in Data Scientist Job Posting Based on the Pareto Analysis Perspective Using Text Mining", *Journal of Econometrics and Statistics*, (with Erkan Işığçık, Dilek Özdemir Yılmaz), 2023, 39(2), 10-25.
5. "High-frequency words have higher frequencies in Turkish social sciences article", *Quality & Quantity*, (with Necmi Gürsakar and Serkan Özdemir), 2023, 57, 1865-1887 (Scopus).
6. "What Does "Big Data" Tell? A Network Analysis Approach to The Justice and Development Party's Role Performance in The Middle East Between 2015 And 2020", *Journal of Liberty and International Affairs, Institute for Research and European Studies - Bitola*, (with Hikmet Mengüaslan), 2023, 9(1), 48-72 (Scopus).
7. "Problems And Opportunities of Artificial Intelligence", *Journal of Academic Approaches*, (with Necmi Gürsakar and Bülent Batmaz), 2022, 13(1), 203-225 (TRIndex).
8. "Statistical Analysis of the Factors Affecting Student Exam Success", *Journal of Current Researches on Educational Studies*, (with Bilge Doğanlı), 2021, 11(1), 1-16. (DRJI, ISI, ISRA)
9. "On the blaschke trihedrons of a line congruence", *New Trends in Mathematical Science*, (with Emin Özyılmaz), 2016, 4(1), 130-140.
10. "Big Data Companies and Open Source Movement", *European Journal of Science and Technology*, (with Necmi Gürsakar and Sevdal Gürsakar), 2021, (21), 680-689 (TRIndex).

Turkish Articles

1. "Copula ile Portföy Riskinin Hesaplanması: BİST100 ve USD Kuru Üzerine Bir Uygulama", *International Journal of Applied Economic and Finance Studies*, 2022, 7(2), 1-25 (ASOS).
2. "Sosyal Medya Alanında Yazılan Büyük Veri Konulu Tezlerin Metin Madenciliğiyle İncelenmesi", (with Fatma Zeren), *Türkiye Araştırmaları Literatür Dergisi*, 2022, 20(39), 157-190 (EBSCO, ASOS).
3. "K-Means Kümeleme ve Diskriminant Analizi ile Ülkelerin Mutluluk Hallerinin İncelenmesi", (with Necmiye Cömertler), *Journal of Current Researches on Business and Economics*, 2021, 11(1), 15-38 (DRJI, ISI, ISRA, SIS)
4. "Kuantum Kriptolojisi ve Siber Güvenlik", *Bilişim Teknolojileri Dergisi*, 2021, 14(1), 53-64 (TRDizin).
5. "Metin Madenciliği ile Shakespeare Külliyyatının İncelenmesi", *MANAS Sosyal Araştırmalar Dergisi*, 2020, (3), 1343-1357 (TRDizin).
6. "Veri Bilimi Anlamak", *Journal of Current Researches on Social Sciences*, 2019, 9(3), 235-256 (Copernicus, DRJI, ISI, ISRA, SIS).
7. "Dünyadaki Çatışmaların Sosyal Ağ Analizi Yöntemiyle İncelenmesi", *Marmara Üniversitesi Öneri Dergisi*, 2019, 14(52), 238-254 (TRDizin).
8. "GDELT Kullanarak Toplumsal Huzursuzlukların Tahmin Edilmesi: Tunus Örneği". *Selçuk Üniversitesi Sosyal Bilimler Meslek Yüksekokulu Dergisi*, 2019, 22(2), 586-600 (TRDizin).
9. "Türkiye ve Bir Grup Ülke için Çatışma Verilerinin Kuvvet Yasasına Uygunluğu", *Uludag University International Journal of Social Inquiry*, 2018, 11(2), 61-80 (TRDizin).
10. "Büyük Veri ve Veri Görselleştirme", (with Emrah Akdamar), *Akademik Bakış*, 2018, (65), 253-264 (ASOS).
11. "Büyük Veri Teknolojilerinin İşletmeler İçin Önemi", *Social Sciences Studies Journal*, 2017, 3(6), 873-883 (ESJI, DRJI, SOBIAD, SIS).

BOOKS

Book

1. “Synthetic Data for Deep Learning: Generate Synthetic Data for Decision Making and Applications with Python and R”, ***Apress***, (with Necmi Gürsakal and Esma Birişçi), (Editors: Celestin Suresh John, Laura Berendson, Mark Powers), 2022, ISBN: 978-1484285862.
2. An Introduction to the Metaverse: Applications with Python (with Necmi Gürsakal, Esma Birişçi) ***Cambridge Scholars Publishing***, 2024, ISBN: 978-1036417352.

Turkish Books

1. “Büyük Veri ve Pazarlama”, *Dora Yayınevi*, (with Necmi Gürsakal), 2021, Basım sayısı:1, Sayfa Sayısı 204, ISBN:978-605-247-345-0.
2. “Makine Öğrenmesi Derin Öğrenme için R Uygulamalı Doğrusal Cebir”, *Dora Yayınevi*, (with Necmi Gürsakal), 2020, Basım sayısı:1, Sayfa Sayısı 294, ISBN:978-605-247-207-1.
3. “Büyük Veri”, *Gece Kitaplığı*, Editör:Orhan Şanlı, Basım sayısı:1, ISBN:978-605-288-811-7.

Book Chapters

1. “Smart Cities Stupid Happiness”, (with Necmi Gürsakal, Melih Fırat Yılmaz) in **New Perspectives and Research in Social Sciences**, (editor: Ayça Sarıaloğlu Hayali), **LAP LAMBERT Academic Publishing**, 2021, ISBN:978-620-3-85455-8.
2. “An Overview On GANs”, (with Necmi Gürsakal) in **New Approaches in Operational Research**, (Editors: Ayça Aytekin and N. Tuba Yılmaz Soydan), **Ekin**, 2020, ISBN:978-625-7210-64-5,

Turkish Book Chapters

1. “Dünya Tarihindeki Benzer Desenlerin İncelenmesi: 15 Temmuz Öncesi ve Sonrasına İlişkin Büyük Veri Analizi”, (with Emrah Akdamar), in *Sosyal, Beşeri ve İdari Bilimlerde Yeni Arayışlar ve Çalışmalar*, (Editor: Ayşe Çatalcalı Ceylan), **Serüven**, 2021, ISBN:978-625-7721-26-4.
2. “Veri Ürünü: Öneri Sistemleri”, in *İktisadi ve İdari Bilimlerde Araştırma ve Değerlendirmeler*, (Editor: Kemal Vatansever), **Gece Kitaplığı**, 2021, ISBN:978-625-7411-64-6.
3. “Veri Bilimi ve İstatistik”, Bankacılık, in *Muhasebe ve Veri Bilimi Araştırmaları*, (Editör: Erkan Arı), **LAP LAMBERT Academic Publishing**, 2021, ISBN:978-620-3-84775-8.
4. “Kuantum Bilgisayarlar Teknolojik Anlamda Ne Getirecek”, (with Necmi Gürsakal) in *Küresel Ekonomiye Yön Veren Yeni Teknolojiler*, (Editors: Bekir Pakdemirli, Necmi Gürsakal, Zülfikar Bayraktar, Sefa Takmaz), **Akçağ**, Ankara: 2020. ISBN: 6053424499.
5. “Dünya Ekonomisine Etkileri Bağlamında Endüstri 4.0”, in *21. Yüzyılda Dünya Ekonomisi*, (Editor: Aslı Yenipazarlı), **Seçkin**, Ankara: 2019. ISBN: 978-975-02-5816-9.

Chapters in Conference Proceedings

ACTIVE WORKS

Submitted Papers (Book)

1. “The Metaverse: Application with Python”, Submitted to: *Cambridge Scholars Publishing*, (with Necmi Gürsakal and Esmâ Birişçi).

Submitted Papers (Article)

2. “Analysis of Skills and Qualifications Required in Data Scientist Job Posting Based on the Pareto Analysis Perspective Using Text Mining”, Submit to: *Journal of Econometrics and Statistics*, (with Erkan Işığışık, Dilek Özdemir Yılmaz).

Work-in Progress

CONFERENCES & WORKSHOPS & SEMINARS & TALKS

• 2023

– EU 2nd International Conference On Humanity And Social Sciences, Belgrad, Serbia'

08/2023

• 2022

– ANADOLU 11th International Conference on Social Sciences, Diyarbakır, Turkey

12/2022

• 2021

– International Cappadocia Scientific Research Congress, Nevşehir, Turkey

12/2021

- VI. International Battalgazi Scientific Studies Congress, Malatya, Turkey 05/2021
- **2020 - ... -2018**
 - Middle-East Conference on Contemporary Sciences IV, Online, Beirut, Lebanon 11/2020
 - Atlas 7th International Congress on Social Sciences, Online, Budapest, Hungary 10/2020
 - I. International Applied Statistics Conference (UYIK), Tokat, Turkey 10/2020
 - 3rd International EUREFE Congress, Aydın, Turkey 10/2019
 - 1st International Congress of Political, Economic and Financial Analysis, Aydın, Turkey 04/2018
- **2017 - ... -2013**
 - I. International Economics, Finance and Econometrics Student Symposium (EFEOS), Sakarya, Turkey 05/2017
 - 15th International Symposium on Econometrics, Operations Research and Statistics, Isparta, Turkey 05/2014

TEACHING

• Graduate Courses

• Undergraduate Courses

- MLY206 - Econometrics (Turkish), Aydın Adnan Menderes University Spring/2024
- UTIF300 Professional English II (English), Aydın Adnan Menderes University Spring/2024
- UTIF416 International Trade and Finance Seminars (Turkish), Aydın Adnan Menderes University Spring/2024
- UTIF206 - Foreign Trade Transactions Management (Turkish), Aydın Adnan Menderes University Spring/2024
- UTIF322 - Data Science with Modern R Programming (Turkish), Aydın Adnan Menderes University Fall/2023
- UTIF103 Information Economy and E-Commerce (Turkish), Aydın Adnan Menderes University Fall/2023
- UTIF401 Foreign Trade Legislation (Turkish), Aydın Adnan Menderes University Fall/2023
- UTIF201 International Trade and Business (Turkish), Aydın Adnan Menderes University Fall/2023
- MLY206 - Econometrics (Turkish), Aydın Adnan Menderes University Spring/2023
- UTIF300 Professional English II (English), Aydın Adnan Menderes University Spring/2023
- UTIF306 - Foreign Trade Financing (Turkish), Aydın Adnan Menderes University Spring/2023
- UTIF206 - Foreign Trade Transactions Management (Turkish), Aydın Adnan Menderes University Spring/2023
- UTIF103 Information Economy and E-Commerce (Turkish), Aydın Adnan Menderes University Fall/2022
- UTIF401 Foreign Trade Legislation (Turkish), Aydın Adnan Menderes University Fall/2022
- UTIF305 International Marketing (Turkish), Aydın Adnan Menderes University Fall/2022
- UTIF201 International Trade and Business (Turkish), Aydın Adnan Menderes University Fall/2022
- UTIF201 International Trade and Business (Turkish), Aydın Adnan Menderes University Fall/2021
- UTIF307 Professional English I (English), Aydın Adnan Menderes University Fall/2021
- UTIF404 Research Techniques (Turkish), Aydın Adnan Menderes University Fall/2021
- UTIF103 Information Economy and E-Commerce (Turkish), Aydın Adnan Menderes University Fall/2021
- UTIF300 Professional English II (English), Aydın Adnan Menderes University Summer/2020
- UTIF406 Innovation Management (Turkish), Aydın Adnan Menderes University Summer/2020
- UTIF402 Taxation in Foreign Trade (Turkish), Aydın Adnan Menderes University Summer/2020
- ECON207 Information Economy (Turkish), Aydın Adnan Menderes University Summer/2020
- ECON415 Tourism Economics (Turkish), Aydın Adnan Menderes University Fall/2020
- UTIF406 Innovation Management (Turkish), Aydın Adnan Menderes University Fall/2020
- ECON312 Agricultural Economics and Policy (Turkish), Aydın Adnan Menderes University Fall/2020

– ECON207 Information Economy (Turkish), Aydın Adnan Menderes University	Fall/2020
– UTIF103 Information Economy and E-Commerce (Turkish), Aydın Adnan Menderes University	Fall/2020
– UTIF404 Research Techniques (Turkish), Aydın Adnan Menderes University	Spring/2020
– UTIF300 Professional English II (English), Aydın Adnan Menderes University	Spring/2020
– UTIF416 International Trade and Finance Seminars (Turkish), Aydın Adnan Menderes University	Spring/2020
– MAT174 General Mathematics II (Turkish), Aydın Adnan Menderes University	Spring/2019
– ECON40 English in Economics (Turkish), Aydın Adnan Menderes University	Spring/2019

COURSES & SUMMER SCHOOLS

• Artificial Neural Networks and Chaos for Economics and Finance, Yıldız Technical University, Istanbul	25/01/2016 - 28/01/2016
• Time Series Analysis, Sakarya University, Sakarya	17/08/2015 - 21/08/2015
• Multivariate Statistics I, Istanbul Technical University, Istanbul	10/08/2015 - 14/08/2015
• Structural Equation Models, Istanbul Technical University, Istanbul	03/08/2015 - 07/08/2015
• Time Series Analysis, Sakarya University, Sakarya	08/09/2014 - 12/09/2014
• Data Analysis with SPSS, Sakarya University, Sakarya	25/08/2014 - 29/08/2014
• Applied Econometrics with E-Views, Sakarya University, Sakarya	18/08/2014 - 22/08/2014

EDITOR & REVIEWER SERVICES

• Editorial Board Member & Review Editor & Associate Editor	
– Journal of Intelligent Transportation System and Applications (Review Editor)	06/2023 - ...
– Bitlis Eren University Journal of Science (Review Editor)	06/2022 - ...
– Journal of Academic Approaches (Review Editor)	09/2021 - ...
– Journal of Academic Approaches (Review Editor)	09/2021 - ...

OTHER ACADEMIC ACTIVITIES

• Erasmus Staff Mobility, Newton University - Sting Academy, Brno, Czech Republic	20/09/2023 - 21/09/2023
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LANGUAGE & COMPUTER SKILLS

- Turkish (native), English (fluent)
- MS Office, R, Python, Tableau, SPSS, EViews, Gephi

REFERENCES

Available upon request

