

## Asst. Prof. YUNUS EMRE AKDOĞAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ACM-7290-2022

Yoksis Researcher ID: 19561

### Education Information

Doctorate, Bursa Uludağ University, Sosyal Bilimler Enstitüsü, Business Administration, Turkey 2014 - 2023

Postgraduate, Selcuk University, Institute Of Social Sciences, Muhasebe Finansman (YI) (Tezli), Turkey 2006 - 2009

### Certificates, Courses and Trainings

Data Analysis, Building Transformer-Based Natural Language Processing Applications, NVIDIA / National Competence Center in HPC of the Czech Republic, 2024

Data Analysis, Bash Programlama Dili, Bilgi Teknolojileri ve İletişim Kurumu, 2022

Data Analysis, Applications of AI for Anomaly Detection, NVIDIA, 2022

Data Analysis, Fundamentals of Deep Learning, NVIDIA, 2022

Data Analysis, Bilgisayarlı Görü Uygulama Alanları, Bilgi Teknolojileri ve İletişim Kurumu, 2021

IT, Bilgi Teknolojilerine Giriş, Bilgi Teknolojileri ve İletişim Kurumu, 2021

Data Analysis, Keras İle Derin Öğrenmeye Giriş, Bilgi Teknolojileri ve İletişim Kurumu, 2021

Data Analysis, Python ile Makine Öğrenmesi, Bilgi Teknolojileri ve İletişim Kurumu, 2021

Data Analysis, Veri Bilimi İçin Python ve Tensorflow, Bilgi Teknolojileri ve İletişim Kurumu, 2021

Data Analysis, R ile Veri Bilimine Giriş, Bilgi Teknolojileri ve İletişim Kurumu, 2021

Data Analysis, Doğal Dil İşlemeye Giriş, Bilgi Teknolojileri ve İletişim Kurumu, 2021

Data Analysis, Sıfırdan İleri Seviye Python Programlama, Bilgi Teknolojileri ve İletişim Kurumu, 2021

Data Analysis, Büyük Veri ve İş Analitiği, İstanbul Teknik Üniversitesi, 2019

### Dissertations

Doctorate, Sosyal medyanın finansal piyasalara etkisi ve hisse senedi fiyat öngörülerinde kullanılması: Borsa İstanbul örneği, Bursa Uludağ University, 2023

Postgraduate, Kurumsal yönetim ve İMKB 100 endeksi üzerine bir uygulama, Selcuk University, Sosyal Bilimler Enstitüsü, Muhasebe Finansman (YI) (Tezli), 2009

### Research Areas

Finance, Money, Capital and Financial Institutions, Financial Markets and Investment Management, Artificial Intelligence,

## Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Faculty of Economics and Administrative Sciences, İşletme, 2023 - Continues

## Academic and Administrative Experience

Vice Dean, Yozgat Bozok University, Faculty of Economics and Administrative Sciences, İşletme, 2024 - Continues

Deputy Head of Department, Yozgat Bozok University, Faculty of Economics and Administrative Sciences, İşletme, 2023 - Continues

## Courses

### Postgraduate

Menkul Değer Analizi, Postgraduate, 2023 - 2024

### Undergraduate

Finansal Yönetim II, Undergraduate, 2023 - 2024

Finansal Yönetim I, Undergraduate, 2023 - 2024

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **More than just sentiment: Using social, cognitive, and behavioral information of social media to predict stock markets with artificial intelligence and big data**  
AKDOĞAN Y. E., ANBAR A.  
Borsa Istanbul Review, vol.24, pp.61-82, 2024 (SSCI)

## Articles Published in Other Journals

- I. **WHEN MACHINES LEARN TECHNICAL ANALYSIS: AN APPLICATION ON TECHNICAL ANALYSIS WITH MACHINE LEARNING IN BORSA ISTANBUL**  
AKDOĞAN Y. E.  
Trakya Üniversitesi Sosyal Bilimler Dergisi, vol.27, pp.275-302, 2025 (Peer-Reviewed Journal)
- II. **Borsa İstanbul'da Yatırımcı İlgisi Google Trendleri ve Youtube İzlenmelerinin İlk Halka Arz Performanslarına Etkisinin Rassal Orman Yöntemi ile Analizi**  
Akdoğan Y. E.  
Hitit Sosyal Bilimler Dergisi (Online), vol.17, no.1, pp.70-90, 2024 (Peer-Reviewed Journal)
- III. **The effect of corporate governance on firm performance: a case of Turkey**  
AKDOĞAN Y. E., ACAR BOYACIOĞLU M.  
International Journal of Critical Accounting, vol.6, no.2, pp.187-210, 2014 (Peer-Reviewed Journal)
- IV. **Financial Performances of Firms that Manage Their Risks The Case of ISE Industrial Index**  
ACAR M., AKDOĞAN Y. E.  
International Journal of Arts and Sciences, vol.4, no.9, pp.211-223, 2011 (Peer-Reviewed Journal)
- V. **Corporate Governance in Financial Institutions An Application on the Istanbul Stock Exchange**  
ACAR M., AKDOĞAN Y. E.  
Journal of Academic Research in Economics, vol.2, no.2, pp.180-196, 2010 (Peer-Reviewed Journal)

## VI. Corporate Governance In Turkey: An Overview

AKDOĞAN Y. E., ACAR M.

Selçuk Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.0, no.24, pp.11-30, 2010 (Peer-Reviewed Journal)

## Books

### I. Artificial Intelligence-Based Capital Structure Management: A Comparative Analysis of Sectoral Dynamics of Leverage

AKDOĞAN Y. E.

in: Machine Learning and Modeling Techniques in Financial Data Science, CHEN EDWIN HAOJUN, Editor, IGI Global Scientific Publishing, New York, pp.253-274, 2025

### II. Rationality in Behavior-Action Dichotomy: Theoretical Foundations of Intention Prediction in Financial Decisions

AKDOĞAN Y. E.

in: Theory and Practise Finance, KURNAZ NİYAZI, BOLGÜN KAAAN EVREN, Editor, Peter Lang GmbH, Berlin, Bern, Bruxelles, New York, Oxford, Warszawa, Wien, pp.257-268, 2024

## Papers Published in Refereed Scientific Meetings

### I. İşletme Sermayesi Yönetimi ve Firma Performansı: Makine Öğrenmesi Yaklaşımları ile Karşılaştırmalı Bir Analiz

AKDOĞAN Y. E.

VII. Anadolu International Conference on Economics (EconAnadolu'24), Eskişehir, Turkey, 31 May - 02 June 2024

### II. When Machines Learn Technical Analysis: An Application on Technical Analysis with Machine Learning in Borsa Istanbul

AKDOĞAN Y. E.

The Economic Research and Financial Markets Congress with International Participation (IERFM), Mersin, Turkey, 9 - 11 May 2024

### III. The Impact of Climate Change Risks on Stock Prices: A Comparative Analysis with Machine Learning Methods

AKDOĞAN Y. E.

The 8 th International Conference on Banking and Finance Perspectives, Ankara, Turkey, 23 - 24 May 2024

### IV. Artificial Intelligence and Machine Learning Applications in Enterprise Credit Risk Prediction: The Case of Borsa Istanbul

AKDOĞAN Y. E.

4. ULUSLARARASI BANKACILIK KONGRESİ, Bilecik, Turkey, 16 - 18 May 2024

### V. Borsa İstanbul'da Yatırımcı İlgisi: Google Trendleri ve Youtube İzlenmelerinin İlk Halka Arz Performanslarına Etkisinin Rassal Orman Yöntemi İle Analizi

AKDOĞAN Y. E.

10. Uluslararası Muhasebe ve Finans Araştırmaları Kongresi ICAFR'23, Çorum, Turkey, 14 - 16 September 2023

### VI. Financial Performances of Firms that Manage Their Risks: The Case of ISE Industrial Index

ACAR M., AKDOĞAN Y. E.

Conference of the International Journal of Arts and Sciences, Bad Gastein, Austria, 30 May 2011

### VII. Corporate Governance in Financial Institutions: An Application on the Istanbul Stock Exchange

ACAR M., AKDOĞAN Y. E.

International Conference on Global Trends in the Efficiency and Risk Management of Financial Services, Girit, Greece, 02 July 2010

### VIII. The Relationship between Ownership Structure and Firm Performance: Evidence From Istanbul Stock Exchange

ACAR M., AKDOĞAN Y. E.

2nd International Conference on Social Sciences, İzmir, Turkey, 10 September 2009

**IX. The Impact of Corporate Governance Principles on Investment Decisions of Foreign Investors:  
Evidence from the Turkish Stock Market**

ACAR M., AKEL V., AKDOĞAN Y. E.

1st International Conference on Governance, Fraud, Ethics and Social Responsibility, Edirne, Turkey, 11 July 2009