



Ozan Kocadađlı

Mesleki Deneyim

Doçent	2012 – Halen Mimar Sinan Üniversitesi - Fen Edebiyat Fakültesi - İstatistik Bölümü, İstanbul, Türkiye
Misafir Öğretim Üyesi	2022 – Halen İstanbul Kültür Üniversitesi - Fen Edebiyat Fakültesi - Moleküler Biyoloji Genetik Bölümü, İstanbul, Türkiye
Misafir Öğretim Üyesi	2019 – Halen İstanbul Kültür Üniversitesi - Fen Edebiyat Fakültesi - Matematik ve Bilgisayar Bölümü, İstanbul, Türkiye
Misafir Öğretim Üyesi	2019 – 2020 Altınbaş Üniversitesi - Sosyal Bilimler Enstitüsü, İstanbul, Türkiye
Misafir Öğretim Üyesi	2015 – 2017 İstanbul Üniversitesi - AUZEF, İstanbul, Türkiye
Araş. Gör.	2010 – 2011 The George Washington University, The Institute for Integrating Statistics in Decision Sciences, Washington DC., USA

Arař. Gör.

2006 – 2009

Mimar Sinan Üniversitesi - Fen Edebiyat
Fakültesi - İstatistik Bölümü, İstanbul, Türkiye

Eđitim Bilgileri

Post - Doktora

2015 - 2017

Texas A&M University, Engineering Technology
& Industrial Distribution

Doktora

1968 - 1972

Mimar Sinan Üniversitesi - Fen Bilimleri
Enstitüsü - İstatistik Programı

Yüksek Lisans

1966 - 1968

Mimar Sinan Üniversitesi - Fen Bilimleri Enstitüsü
- İstatistik Programı

Projeler

Projenin Başlama Tarihi: 2022

Projenin Kapanma Tarihi: 2025

Proje Başlığı: Derin Öğrenme Yaklaşımlarıyla Epilepsi Nöbetlerinin Gerçek Zamanlı Tanılanması, Mimar Sinan Üniversitesi, Nova University of Lisboa, BAP

Projenin Başlama Tarihi: 2021

Projenin Kapanma Tarihi: 2023

Proje Başlığı: Endüstriyel Lignoselülozik Atıkların Karakterizasyonu ve Sınıflandırılmasında Kemometrik Yöntemlerin Uygulanması, İstanbul Üniversitesi-Cerrahpaşa BAPSIS

Projenin Başlama Tarihi: 2015

Projenin Kapanma Tarihi: 2017

Proje Başlığı: Diagnose of Brain Tumor and Neurological Diseases using Hybrid Artificial Techniques Based on Fuzzy and Bayesian Methods, Texas A&M University, Collage Station, Texas, USA. TUBITAK

Projenin Başlama Tarihi: 2012

Projenin Kapanma Tarihi: 2014

Proje Başlığı: A novel training procedure for Bayesian Neural Networks using Genetic Algorithm and Fuzzy Membership Functions, Mimar Sinan Üniversitesi, BAP

Projenin Başlama Tarihi: 2010

Projenin Kapanma Tarihi: 2011

Proje Başlığı: Hybrid Bayesian neural networks with genetic algorithms and fuzzy membership functions, Department of Decision Sciences and Statistics the Institute for *Integrating Statistics in Decision Sciences*, The George Washington University, Washington D.C., USA. TUBITAK

Yayınlar

Uluslararası Makale

Kocadagli, O., et al. (2023). Preictal phase detection on EEG signals using hybridized machine learning classifiers with a novel feature selection procedure based GAs and ICOMP, **Expert Systems with Applications**, (212). (SCI)

Kocadagli, O., et al. (2022). Clinical Prognosis Evaluation of COVID-19 Patients: An Interpretable Hybrid Machine Learning Approach Current Research in Translational Medicine, **Current Research in Translational Medicine**, 70 (1).

Kocadagli, O., et al. (2022). Important Factors Affecting the Transmission Rate of COVID-19 in G20 and EU, **Sigma Journal of Engineering and Natural Sciences** 40 (1).

Ilter, D. Deniz, E. and **Kocadagli, O.** (2021), Hybridized artificial neural network classifiers with a novel feature selection procedure based genetic algorithms and information complexity in credit scoring, **Applied Stochastic Models in Business and Industry**, 37(2).

Ilter, D. and **Kocadagli, O.** (2019) Credit Scoring by Artificial Neural Networks based Cross-Entropy and Fuzzy Relations, **Sigma Journal of Natural Science, Yildiz Technical University**, 37(3), 855-870.

Ozer E. and **Kocadagli, O.** (2019) Classification of EEG Signals for Epileptic Seizures using Linear and Non-linear Classifiers based Wavelet Transforms and Information Criteria, **Türkiye Klinikleri Journal of Biostatistics**, 11(2).

Kocadagli, O. (2017) Bayesian Learning based Gaussian Approximation for Artificial Neural Networks, **Turkish Journal of Forecasting**, 1 (2), 54 - 65.

Kocadagli, O. and Langari, R. (2017) Classification of EEG Signals for Epileptic Seizures using Hybrid Artificial Neural Networks based Wavelet Transforms and Fuzzy Relations, **Expert Systems with Applications**, (88), 419-434. (SCI)

Kocadagli, O. (2015). A Novel Hybrid Learning Algorithm for Full Bayesian Approach of Artificial Neural Networks, **Applied Soft Computing, Elsevier**, 35, 52 – 65. (SCI)

Soydaner, D. and **Kocadagli, O.** (2015) Artificial Neural Networks with Gradient Learning Algorithm for Credit Scoring, **Journal of the School of Business Administration, Istanbul University**, 44(2), 3-12.

Ekin, T., **Kocadagli, O.**, Nathaniel, D. B., Lawrence V. F. and Paul, M. G., (2015). Fuzzy Decision-Making in Health Systems: A Resource Allocation Model, **EURO Journal on Decision Processes, Springer**, 10.1007/s40070-015-0049-x.

Kocadagli, O. and Keskin R. (2015) A novel Portfolio Selection Model Based on Fuzzy Goal Programming with Different Importance and Priorities, **Expert Systems with Applications, Elsevier**, 42 (20), 6898–6912. (SCI)

Keskin R., **Kocadagli O.** and Cinemre N. (2015). A Novel Fuzzy Goal Programming Approach with Preemptive Structure for Optimal Investment Decisions, **Journal of Intelligent and Fuzzy Systems**, 28, 633–645. DOI:10.3233/IFS-141345. (SCI)

Kocadagli, O. and Aşıkil B. (2014). Nonlinear Time Series Forecasting with Bayesian Neural Networks. **Expert Systems with Applications, Elsevier**, 41(15), 6596-6610. (SCI)

Kocadagli, O. and Keskin R. (2014). A Novel Portfolio Selection Model with Preemptive Fuzzy Goal Programming, *MakeLearn 2014: Human Capital without Borders: Knowledge and Learning for Quality of Life*, **ToKnowPress**, 985 – 995.

Kocadagli, O. (2013). A Novel Nonlinear Programming Approach for Estimating CAPM Beta of An Asset using Fuzzy Regression, **Expert Systems with Applications, ESWA**, Vol. 40 (3), pp. 858-865. (SCI)

Kaya, C. and **Kocadagli, O.** (2012). Portfolio Selection Model with Efficient Frontier and Beta Coefficient Constraints and Its Application, **Istanbul Commerce University Journal of Science**. 11(22) 19 -35.

Kocadagli, O., (2011). New Approach for Multiple Fuzzy Regression with Fuzzy Output, **International Journal of Industrial and Systems Engineering (IJISE)**, 9(1). ISSN (Online): 1748-5045 - ISSN (Print): 1748-5037.

Kocadagli, O. (2010). Nonlinear model approach with CAPM for portfolio optimization, **Journal of the School of Business Administration, Istanbul University**, 39(2), ISSN 1303-1732.

Kitap Bölümü

Ilter D, **Kocadagli, O.** and Ravishanker, N. (2019) Feature Selection Approaches for Machine Learning Classifiers on Yearly Credit Scoring Data, **y-BIS 2019 Conference Book: Recent Advances in Data Science and Business Analytics**, Published by Mimar Sinan Fine Arts University. Edited by **Ozan Kocadagli**.

Ozer, E. **Kocadagli, O.** and Batista, A. (2019), Time-Frequency Analysis of the EEG Signals: Visual Identification of Epileptic Patterns, **y-BIS 2019 Conference Book: Recent Advances in Data Science and Business Analytics**, Published by Mimar Sinan Fine Arts University. Edited by **Ozan Kocadagli**.

Kocadagli, A., **Kocadagli, O.** (2011). Evaluation of The Olive Productions in Turkey by using Time Series Analysis, Natural Environment and Culture in the Mediterranean Region II, **Cambridge Scholars Publishing, UK**, Chapter Thirty-Five, pp. 473-486.

Konferansta kitapçıklarında basılan tam makale

Turksen Ö. and **Kocadagli, O.** (2015). Fuzzy Modeling for Replicated Response Measures by Using Type-2 Fuzzy Numbers, **Full Paper**, “**FUZZYSS’15: The 4th International Fuzzy Systems Symposium**, Proceedings Book, Nov. 5-6, Istanbul.

Kocadagli O. and Keskin R. (2013). Novel Fuzzy Goal Programming Approach for Optimal Investment Decisions, **Full Paper**, “**FUZZYSS’13: The 3th International Fuzzy Systems Symposium**, Proceedings Book, October 24-25, Istanbul.

Kocadagli, O. (2011). A Novel Nonlinear Programming Approach for Estimating CAPM Beta of An Asset using Fuzzy Regression, **Full Paper**, **Fuzzyss’11 The Second International Fuzzy Systems Symposium**, Proceedings Book, November 17-18, Ankara, pp. 62 -68.

Kocadagli, O. (2009). New Approach for Multiple Fuzzy Regression with Fuzzy Output, **Full Paper**, “**FUZZYSS09: 1st International Fuzzy Systems Symposium**, Proceedings Book, October 1-2, Turkey.

Kocadagli, O., Cinemre, N. (2008). A Fuzzy Nonlinear Model Approach for Portfolio Optimization, **Full Paper**, **28th National Operational Research and Industrial Engineering Congress (YA/EM 2008)**, Proceedings Book, Full Paper. Istanbul, Turkey.

Kocadagli, O., Cinemre, N. (2006) Portfolio Optimization by Fuzzy Linear Programming, **Full Paper**, **26th National Operational Research and Industrial Engineering Congress (YA/EM 2006)**, Proceedings Book, Full Paper, Kocaeli, Turkey.

Konferansta kitapçıklarında basılan özet

Kocadagli, O. (2017) Bayesian Learning based Gaussian Approximation for Artificial Neural Networks, **1st International Web Conference on Forecasting**, Oct. 16 – 18, 2017.

Kocadagli, O. and Langari, R. (2017) Classification of EEG Signals for Epileptic Seizures using Hybrid Artificial Neural Networks based Wavelet Transforms and Fuzzy Relations, **9th Annual Texas A&M Neuroscience Symposium**, College Station, TX. April, 28, 2017.

Ilter D. and **Kocadagli, O.** (2017) Credit Scoring by Artificial Neural Networks based Cross-Entropy and Fuzzy Relations, **3rd International Researchers, Statisticians and Young Statisticians Congress**, Selçuk University, May 24-26, 2017.

Ozer E. and **Kocadagli, O.** (2017). Classification of EEG Signals for Detection of Epileptic Seizures using Artificial Neural Networks based on Wavelet Transforms and PCA, **3rd International Researchers, Statisticians and Young Statisticians Congress, Selçuk University**, May 24-26, 2017.

Kocadagli, O. (2016). Detection of Epileptic Seizures using Hybrid Artificial Intelligent Techniques, **Texas Brain and Spine Institute 10th Annual Neuroscience Symposium**, Hall Of Champions At Kyle Field Texas A&M University, December 05, 2016.

Kocadagli, O. (2016). Classification of EEG Signals for Detection of Epileptic Seizures using Hybrid Artificial Intelligent Techniques, **International Society of Business and Industrial Statistics (ISBIS) conference**, Universitat Politecnica de Catalunya in Barcelona, Spain, June 8-10, 2016. **(Invited Speaker)**

Ozer E. and Kocadagli, O. (2016). Classification of EEG Signals for Detection of Epileptic Seizures using Wavelet Transforms and Artificial Neural Networks, **International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016)**, Cappadocia, Turkey, **May 18 – 21, 2016. (Author)**

Türksen O and **Kocadagli O.** (2015). Fuzzy Modeling for Replicated Response Measures by Using Type-2 Fuzzy Numbers. The 4th International Fuzzy Systems Symposium (Fuzzyss'15), Nov. 5-6, Istanbul. **(Author)**

Kocadagli, O. (2015). A novel Portfolio Selection Model Based on Fuzzy Goal Programming with Different Importance and Priorities, **European Conference on Continuous Optimization (EUROPT 2015)**, 8 – 10 July 2015, Edinburgh, Scotland.

Kocadagli, O. (2015). **Time Series Forecasting Using Full Bayesian Approach of Artificial Neural Networks**, The 27th European Conference on Operational Research (EURO 2015), 12 – 15 July 2015, Glasgow, Scotland. **(Session Chair)**

Soydaner, D and **Kocadagli, O.** (2015). A Hybrid Artificial Neural Network Approach Based Information Criteria for Credit Scoring. The 27th European Conference on Operational Research (EURO 2015), 12 – 15 July 2015, Glasgow, Scotland. **(Author)**

Ekin, T, Griffin, P., **Kocadagli, O.**, Bastian, N. and Fulton, L. (2014). Fuzzy Resource Allocation in Health Systems. INFORMS San Francisco – 2014. **(Author)**

Kocadagli, O. (2014). A Novel Portfolio Selection Model with Preemptive Fuzzy Goal Programming, **MakeLearn 2014: Human Capital without Borders: Knowledge and Learning for Quality of Life**, Slovenia, Portoroz, July 25 – 28.

Kocadagli, O., Keskin R. (2013), A Novel Fuzzy Goal Programming Approach for Optimal Investment Decisions, **The 3rd International Fuzzy Systems Symposium**, October 24-25, Istanbul, Turkey.

Kocadagli, O. (2013), Time Series Forecasting using Bayesian Neural Networks, **y-BIS 2013: Young Business and Industrial Statisticians Meeting**, September 19-21, Istanbul. **(Session Chair)**

Keskin R. and **Kocadagli, O.** (2013). A fuzzy goal programming approach with priority for optimal investment decisions. **y-BIS 2013: Young Business and Industrial Statisticians Meeting**, September 19-21, Istanbul. **(Author)**

Kocadagli, O. (2013). Hierarchical Bayesian Learning in Neural Networks using Genetic Algorithms, **13th International Conference on Stochastic Programming**, July 8-12, 2013 in Bergamo, Italy.

Kocadagli, O. (2013). Bayesian Learning with Genetic Algorithms and Fuzzy Membership Functions for Gaussian Approximation of Bayesian Neural Networks, **26th Euro-Informs**, July 1-4, 2013 in Rome, Italy.

Kocadagli, O. (2012). A Novel Hierarchical Full Bayesian Learning by Genetic Algorithms for Neural Networks, **Joint Meeting of y-BIS and jSPE**, July 23-26, Caparica, Lisbon, Portugal.

Kocadagli, O. (2012). A Novel Bayesian Learning with Genetic Algorithm for Gaussian Approximation of Bayesian Neural Networks, **The eighth World Congress in Probability and Statistics**, July 9 -14, 2012, Istanbul Turkey.

Kocadagli, O. (2011). Bayesian Learning of Neural Networks using Genetic Algorithms, **Young Statisticians Meeting, Trinity College**, August 19-21, Dublin, Ireland.

Kocadagli, O. (2010). The Estimating CAPM Beta of an Asset by A New Fuzzy Regression Approach, **AMAMEF2010, The Fifth General Conference on Advances Mathematical Methods in Finance**, May 3 -9, Bled, Slovenia.

Kocadagli, O. (2009). New Approach for Multiple Fuzzy Regression with Fuzzy Output, **1st International Fuzzy Systems Symposium**, Ankara.

Kocadagli, O. (2008). The Classification by Means of Fuzzy Relations, **HDM-2008 International Conference on Multivariate Statistical Modeling & High Dimensional Data Mining**, June 19-23, 2008, Kayseri, Turkey.

Kocadagli, O., Cinemre, N. (2008). A Fuzzy Nonlinear Model Approach for Portfolio Optimization, **28th National Operational Research and Industrial Engineering Congress (YA/EM 2008)**, Proceedings Book, Full Paper. Istanbul, Turkey.

Kocadagli, O. (2006). Portfolio Optimization by Fuzzy Linear Programming, **26th National Operational Research and Industrial Engineering Congress (YA/EM 2006)**, Proceedings Book, Full Paper, Kocaeli, Turkey.