

Prof. BİRSEN EYGİ ERDOĞAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-2026-2019

ScopusID: 54942367100

Yoksis Researcher ID: 54553

Education Information

Doctorate, Marmara University, Faculty of Economics, Econometrics, Turkey 1994 - 2002

Postgraduate, Istanbul University, School Of Business, Department Of Business Administration, Turkey 1991 - 1994

Undergraduate, Marmara University, Faculty of Arts and Sciences, Mathematics, Turkey 1986 - 1991

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Bankaların Mali Performanslarının Lojistik Regresyon ile Analizi ve ileriye Yönelik Tahmin ile Bir Uygulama, Marmara Üniversitesi, Faculty of Economics, Econometrics, 2002

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Marmara University, Faculty of Arts and Sciences, Statistics, 2020 - Continues

Associate Professor, Marmara University, Faculty of Arts and Sciences, Statistics, 2015 - 2020

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Statistics, 2010 - 2015

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Mathematics, 2009 - 2010

Research Assistant, Marmara University, Faculty of Arts and Sciences, Mathematics, 1992 - 2009

Academic and Administrative Experience

Marmara University, Faculty of Arts and Sciences, Statistics, 2018 - Continues

Marmara University, Faculty of Arts and Sciences, Statistics, 2009 - Continues

Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Statistics, 2009 - 2018

Courses

Undergraduate

Çok Değişkenli İstatistiksel Analiz II, Undergraduate, 2020 - 2021

İstatistiksel Okuryazarlık, Undergraduate, 2019 - 2020

Çok Değişkenli İstatistiksel Analiz I, Undergraduate, 2020 - 2021

Supervised Theses

EYGİ ERDOĞAN B., Bulanık doğrusal regresyonda parametre tahmin yöntemleri, Postgraduate, F.Erduran(Student), 2011

Designed Lessons

Undergraduate

Eygi Erdoğan B., İstatistiksel Okuryazarlık, Undergraduate, 2009 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Novel Hybrid House Price Prediction Model**
AKYÜZ S., EYGİ ERDOĞAN B., Yildiz O., Atas P. K.
COMPUTATIONAL ECONOMICS, vol.62, no.3, pp.1215-1232, 2023 (SCI-Expanded)
- II. **A Novel Approach for Panel Data: An Ensemble of Weighted Functional Margin SVM Models**
EYGİ ERDOĞAN B., AKYÜZ S., Karadayı Atas P.
Information Sciences, vol.557, pp.373-381, 2021 (SCI-Expanded)
- III. **SOME HEAVY METALS AND MINERAL NUTRIENTS OF NARROW ENDEMIC CIRSIUM BYZANTINUM STEUD., FROM ISTANBUL, TURKEY: PLANT-SOIL INTERACTIONS**
ÖZYİĞİT İ. İ., ESKİN B., Uras M. E., Sen U., EYGİ ERDOĞAN B., Kurmanbekova G., SEVEROĞLU Z., Yalcin I. E.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.2, pp.668-674, 2018 (SCI-Expanded)
- IV. **Knowledge and Attitudes of Dietitians Concerning Seafood Consumption and Processing/Preservation Technologies**
Mol S., EYGİ ERDOĞAN B., Alakavuk D. U., VARLIK C.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.15, no.1, pp.73-80, 2015 (SCI-Expanded)
- V. **Survey into the Characteristics, Working Conditions and Deficiencies of Turkish Seafood Processing Firms**
Mol S., EYGİ ERDOĞAN B., Ulusoy S.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.14, no.3, pp.705-712, 2014 (SCI-Expanded)
- VI. **Liu-Type Logistic Estimator**
İnan D., Erdogan B.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.42, pp.1578-1586, 2013 (SCI-Expanded)
- VII. **Prediction of bankruptcy using support vector machines: an application to bank bankruptcy**
Erdogan B.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.83, no.8, pp.1543-1555, 2013 (SCI-Expanded)
- VIII. **Reference interval of pregnancy-associated plasma protein-A in healthy men and non-pregnant women**

COŞKUN A., SERTESER M., Duran S., Inal T. C., EYGİ ERDOĞAN B., ÖZPINAR A., CAN Ö., Unsal I.

JOURNAL OF CARDIOLOGY, vol.61, pp.128-131, 2013 (SCI-Expanded)

IX. **Factors Influencing the Consumption of Seafood in Istanbul, Turkey**

EYGİ ERDOĞAN B., Mol S., COŞANSU AKDEMİR S.

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.11, no.4, pp.631-639, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Fewer Species but More Existing Individuals: Testing the Hypothesis 'Pessimism Conditions Rule' Based on Long-Term Data of Species Composition of Benthic Fauna and Environmental Variables in the Sea of Marmara, Turkey**
Artüz L., Artüz B., Sakınç M., Eygi Erdoğan B., Yalçın B.
Journal of Environmental and Toxicological Studies, vol.2, pp.1-18, 2018 (Peer-Reviewed Journal)
- II. **Support Vector Machines vs Multiplicative Neuron Model Neural Network in Prediction of Bank Failures**
EYGİ ERDOĞAN B., EĞRİOĞLU E., AKDENİZ E.
American Journal of Intelligent Systems, vol.7, pp.125-131, 2017 (Peer-Reviewed Journal)
- III. **Long term Examination of Bank Crashes Using Panel Logistic Regression Turkish Banks Failure Case**
EYGİ ERDOĞAN B.
International Journal of Statistics and Probability, vol.5, pp.42-48, 2016 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **A Novel Approach for Panel Data: An Ensemble of Weighted Functional Margin SVM Models**
EYGİ ERDOĞAN B.
Linstat 2018, 20 - 24 September 2018
- II. **Ensemble Learning for Bank Bankruptcy: Turkish Bank Case**
EYGİ ERDOĞAN B., AKYÜZ S.
OR 2018: International Conference on Operations Research, 12 - 14 September 2018
- III. **Clustered Support Vector Regression House Price Prediction Case Study**
EYGİ ERDOĞAN B., AKYÜZ S.
Xth International Statistics Days Conference 2016 (ISDC'2016), 7 - 09 October 2016
- IV. **Ensemble Learning by Two Step Margin Based Model Selection Case Study on Bankruptcy Data in Turkish Commercial Banks**
EYGİ ERDOĞAN B., AKYÜZ S.
Linstat 2016, 22 - 25 August 2016
- V. **Kernel based classification for financial failure A comparative study for Turkish banks**
EYGİ ERDOĞAN B.
The 10th Tartu Conference on Multivariate Statistics, Tartu, Estonia, 27 June - 01 July 2016
- VI. **Prediction of Bank Failures via Machine Learning Techniques using Pooled Panel Financial Data**
EYGİ ERDOĞAN B., EĞRİOĞLU E., AKDENİZ DURAN E.
EURO 2015, Glasgow, United Kingdom, 12 - 15 July 2015
- VII. **Prediction of Turkish bank failures using panel factor logistic regression**
EYGİ ERDOĞAN B.
Linstat 2014, 24 - 28 August 2014
- VIII. **Knowledge And Attitudes Of Dietitians Concerning Seafood Consumption And Common Processing/ Preservation Technologies**
MOL TOKAY S., EYGİ ERDOĞAN B.
15th International Congress of Nutrition, 15 - 20 September 2013

- IX. A comparison of different parameter estimation methods in fuzzy linear regression**
EYGİ ERDOĞAN B.
A comparison of different parameter estimation methods in fuzzy linear regression, 16 - 20 June 2012
- X. Modeling multiple time series data using wavelet-based support vector regression**
İnan D., Eygi Erdoğan B.
International Conference on Trends and Perspectives in Linear Statistics, Poznan, Poland, 16 - 20 June 2012
- XI. A Liu Type Logistic Regression Estimator**
İnan D., Eygi Erdoğan B.
International 7th Statistics Congress-İSTKON, Antalya, Turkey, 28 April - 01 May 2011
- XII. A comparative study of classification models**
EYGİ ERDOĞAN B.
ASMDA 2009 XIII, 30 June - 03 July 2009
- XIII. İstatistiksel okuryazarlığın tıptaki yeri ve önemi**
EYGİ ERDOĞAN B.
2. Multidisipliner Kanser Araştırma Sempozyumu, Turkey, 24 - 27 February 2008

Other Publications

- I. Introduction to Probability and Statistics for Engineers and Scientist**
Eygi Erdoğan B.
Other, pp.141-223, 2014

Metrics

Publication: 26
Citation (WoS): 101
Citation (Scopus): 54
H-Index (WoS): 4
H-Index (Scopus): 4

Non Academic Experience

Dow Türkiye Kimya Sanayi, Kısmi zamanlı