

GÜLHAYAT GÖLBAŞI ŞİMŞEK

PROF.

Email : gulhayat@yildiz.edu.tr

Fax Phone : [+90 212 383 4106](tel:+902123834106)

Address : Yıldız Teknik Üniversitesi Fen-Edebiyat Fakültesi İstatistik Bölümü Davutpaşa Kampüsü 34220 İstanbul

International Researcher IDs

ScholarID: 3amhmHYAAAAJ

ORCID: 0000-0002-8790-295X

Publons / Web Of Science ResearcherID: D-2427-2017

ScopusID: 35483849300

Yoksis Researcher ID: 100691

Learning Knowledge

Doctorate
2002 - 2007

Marmara University, Sosyal Bilimler, Ekonometri / İstatistik, Turkey

Postgraduate
1998 - 2000

Mimar Sinan Fine Arts University, Fen Bilimleri, İstatistik / İstatistik, Turkey

Undergraduate
1993 - 1997

Yıldız Technical University, Fen Edebiyat, İstatistik, Turkey

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Professor
2017 - Continues

Yıldız Technical University, Faculty Of Arts & Science, Department Of Statistics

Associate Professor
2011 - 2017

Yıldız Technical University, Faculty Of Arts & Science, Department Of Statistics

Assistant Professor
2009 - 2011

Yıldız Technical University, Faculty Of Arts & Science, Department Of Statistics

Lecturer PhD
2007 - 2009

Yıldız Technical University, Faculty Of Arts & Science, Department Of Statistics

Research Assistant
1998 - 2007

Yıldız Technical University, Faculty Of Arts & Science, Department Of Statistics

Supported Projects

1. NOYAN TEKELİ F., GÖLBAŞI ŞİMŞEK G., PARİM C., KARADAĞ T., ÖZKAN B., ÖZKAN E., SATICI S. A., Project Supported by Higher Education Institutions, 6 Şubat 2023 Kahramanmaraş Merkezli Depremlerin Yıldız Teknik Üniversitesi Öğrencileri Üzerindeki Etkileri, 2023 - Continues
2. Çelik F., Diri F. E., Gölbaşı Şimşek G., TUBITAK Project, Evrişimli Yapay Sinir Ağları ile Trafik Görüntülerinden İstatistiksel Veri Üretme ve Modellemesi, 2023 - 2024
3. AKYILDIZ ALÇURA G., YILMAZ M. O., KUŞAKCI GÜNDOĞAR S. Ş., Varer A., KARADAĞ T., DEĞER ŞİTİLBAY B., SARAÇOĞLU A., MALTAŞ A., GÖLBAŞI ŞİMŞEK G., Project Supported by Higher Education Institutions, Engelli Bireyler için İstanbul Şehir içi Otobüs Taşımacılığı Hizmet Kalitesi Ölçümü, 2022 - 2023
4. Akyıldız Alçura G., Gürsoy M., Gölbaşı Şimşek G., TUBITAK Project, Investigation of Effective Parameters by Measuring Service Quality and Satisfaction in Ankara-Eskişehir High Speed Train Line, 2014 - 2015
5. Noyan Tekeli F., Gölbaşı Şimşek G., TUBITAK Project, Süpermarketlerde Müşteri Sadakatini Etkileyen Faktörlerin Belirlenmesi, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

1. **MAXIMUM PRODUCT SPACING ESTIMATION FOR ODD LINDLEY HALF LOGISTIC DISTRIBUTION UNDER PROGRESSIVE TYPE-II CENSORING WITH BINOMIAL REMOVALS**
Özkan E., Gölbaşı Şimşek G., Tanış C.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING : THEORY APPLICATIONS AND PRACTICE, vol.31, no.6, pp.1382-1391, 2024 (SCI-Expanded)
2. **Development of Functional Quantile Autoregressive Model for River Flow Curve Forecasting**
Mutiş M., Beyaztaş U., Gölbaşı Şimşek G., Shang H. L., Yaseen Z. M.
Earth and Space Science, vol.11, no.8, pp.1-18, 2024 (SCI-Expanded)
3. **Bayesian Networks and Structural Equation Modeling to Investigate the Passengers' Perceptions in High-Speed Rail Systems**
Karadağ T., Gölbaşı Şimşek G., Akyıldız Alçura G.
TRANSPORT, vol.39, no.1, pp.64-85, 2024 (SCI-Expanded)
4. **A robust scalar-on-function logistic regression for classification**
Mutiş M., Beyaztaş U., Gölbaşı Şimşek G., Shang H. L.
COMMUNICATIONS IN STATISTICS -THEORY AND METHODS, vol.52, no.23, pp.8538-8554, 2023 (SCI-Expanded)
5. **A Time-Varying Copula Approach to Investigate the Dependence Structures of BRICS Stock Markets Before and After COVID-19**
Karadağ T., Gölbaşı Şimşek G.
EMERGING MARKETS FINANCE & TRADE, vol.59, pp.1475-1486, 2023 (SSCI)
6. **Generalized Marshall-Olkin exponentiated exponential distribution: Properties and applications**
Özkan E., Gölbaşı Şimşek G.
PLOS ONE, vol.18, no.1, pp.123-145, 2023 (SCI-Expanded)
7. **WHAT ARE THE MACROECONOMIC DRIVERS OF THE ASSET RETURNS OF TURKISH BANKS?**
Civan Z., Simsek G., Çinar U. K.
TECHNOLOGICAL AND ECONOMIC DEVELOPMENT OF ECONOMY, vol.29, pp.91-113, 2022 (SSCI)
8. **Modeling particle size of polyacrylic acid-copper(II)-bovine serum albumin ternary complex in salt solution**
Şakar D., Karahan M., Noyan Tekeli F., Gölbaşı Şimşek G.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, no.9, pp.1195-1198, 2019 (SCI-Expanded)
9. **An integrative approach to relationship marketing, customer value, and customer outcomes in the retail banking industry: a customer-based perspective from Turkey**
Sayil E. M., Akyol A., Simsek G.
SERVICE INDUSTRIES JOURNAL, vol.39, pp.420-461, 2019 (SSCI)

10. **Analyzing the effects of social impacts of events on satisfaction and loyalty**
YURUK P., Akyol A., Simsek G.
TOURISM MANAGEMENT, vol.60, pp.367-378, 2017 (SSCI)
11. **Association between the growth arrest-specific 6 (Gas6) gene polymorphism c.834+7G > A and preeclampsia**
Ozakpınar O. B., SAHİN S., Verimli N., Simsek G., Maurer A., EROĞLU M., TETİK Ş., Uras F.
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.29, no.7, pp.1149-1153, 2016 (SCI-Expanded)
12. **The impacts of relationship marketing orientation on relational response behaviours**
Sayil E. M., DONMAZ A., Simsek G., Akyol A.
INTERNATIONAL JOURNAL OF MOBILE COMMUNICATIONS, vol.14, no.5, pp.472-498, 2016 (SSCI)
13. **Impact Score Technique for Analyzing the Service Quality of a High-Speed Rail System**
Alcura G., Kusakci S. Ş., Simsek G., Gürsoy M., Tanriverdi S. C.
TRANSPORTATION RESEARCH RECORD, no.2541, pp.64-72, 2016 (SCI-Expanded)
14. **Parallel analysis approach for determining dimensionality in canonical correlation analysis**
Simsek G., Aydoğdu S.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.86, no.17, pp.3419-3431, 2016 (SCI-Expanded)
15. **McDonald's omega(t), Cronbach's alpha, and Generalized theta for Composite Reliability of Common Factors Structures**
Simsek G., Noyan F.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.42, no.9, pp.2008-2025, 2013 (SCI-Expanded)
16. **Structural equation modeling with ordinal variables: a large sample case study**
Simsek G., Noyan F.
QUALITY & QUANTITY, vol.46, no.5, pp.1571-1581, 2012 (SCI-Expanded)
17. **Temperature and pH Effect on Milk Clotting Time of Mucor miehei Rennet**
Ataci N., Simsek G., Atac I. A., Kuzu H.
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.3, pp.1754-1758, 2009 (SCI-Expanded)
18. **THE EFFECT OF PERCEIVED INSTRUCTIONAL EFFECTIVENESS ON STUDENT LOYALTY: A MULTILEVEL STRUCTURAL EQUATION MODEL**
Simsek G., Noyan F.
HACETTEPE UNIVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, pp.109-118, 2009 (SSCI)

Articles Published in Other Journals

1. **The role of e-service quality dimensions on customer behavioral intentions in e-retailing**
Donmaz A., Akyol A., Gölbaşı Şimşek G.
Journal of Interdisciplinary Innovation Studies, vol.1, no.1, pp.112-129, 2021 (Peer-Reviewed Journal)
2. **Determinants of passenger loyalty for high speed rail system in Turkey**
AKYILDIZ ALÇURA G., GÖLBAŞI ŞİMŞEK G., KUŞAKCI GÜNDOĞAR S. Ş., TANRİVERDİ S. C., GÜRİSOY M.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.2, pp.760-781, 2021 (Peer-Reviewed Journal)
3. **Identifying the systemically important banks of Turkey with the CoVaR method**
Civan Z., Gölbaşı Şimşek G., Çağlayan Akay E.
HELIYON, vol.6, 2020 (ESCI)
4. **Impact Score Technique and Servqual Comparison for Public Transportation Service Quality**
Akyıldız Alçura G., Kuşakcı Gündoğar S. Ş., Tanriverdi S. C., Gölbaşı Şimşek G., Gürsoy M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.38, no.2, pp.715-726, 2020 (ESCI)
5. **Marketing and consumption of art products: the movie industry**
Ulker-Demirel E., Akyol A., Simsek G.
ARTS AND THE MARKET, vol.8, no.1, pp.80-98, 2018 (ESCI)

6. **The Effect Of Consumer Perceptions On Their Attitude, Behavior And Purchase Intention In Social Media Advertising**
Talih Akkaya D., Akyol A., Gölbaşı Şimşek G.
MARMARA ÜNİVERSİTESİ İKTİSADİ VE İDARİ BİLİMLER DERGİSİ, vol.39, no.2, pp.361-388, 2017 (Peer-Reviewed Journal)
7. **Talent Management in Educational Organizations: A Scale Development Study**
Tabançalı E., Gölbaşı Şimşek G., Korumaz M.
European Journal of Education Studies, vol.3, no.10, pp.404-424, 2017 (Peer-Reviewed Journal)
8. **First and Second Order Confirmatory Factor Models With Service And ProductQuality Perceptions of Supermarket Customers: An Empirical Investigation**
Gölbaşı Şimşek G.
ALPHANUMERIC JOURNAL, vol.4, no.2, pp.115-146, 2016 (Peer-Reviewed Journal)
9. **An Application of Fuzzy Clustering on Prevalence of Youth Tobacco Survey**
Kavılı H., Gölbaşı Şimşek G.
Procedia Economics and Finance, vol.38, pp.70-76, 2016 (Conference Book)
10. **The antecedents of customer loyalty**
Noyan Tekeli F., Gölbaşı Şimşek G.
Procedia Social and Behavioral Sciences, vol.109, pp.1220-1224, 2014 (Conference Book)
11. **Tetrachoric correlation as a measure of default correlation**
Noyan Tekeli F., Gölbaşı Şimşek G.
Procedia Social and Behavioral Sciences, vol.62, pp.1230-1234, 2012 (Conference Book)
12. **A partial least squares path model of repurchase intention of supermarket customers**
Noyan Tekeli F., Gölbaşı Şimşek G.
Procedia Social and Behavioral Sciences, vol.62, pp.921-926, 2012 (Conference Book)
13. **An empirical investigation of customer satisfaction**
Noyan Tekeli F., Gölbaşı Şimşek G.
The Online Journal of Science and Technology,, vol.2, no.2, pp.1-8, 2012 (Peer-Reviewed Journal)
14. **The MIMIC model approach to investigate mathematic achievement of Turkish students.**
Noyan Tekeli F., Gölbaşı Şimşek G.
International Journal of New Trends in Arts, Sports & Science Education (IJTASE), vol.1, no.1, pp.36-48, 2012 (Peer-Reviewed Journal)
15. **Türkiye ve Hong Kong-Çin'deki Öğrencilerin Matematik Öğrenme Stratejileri Modelinin Karşılaştırılması: Çoklu Grup Yapısal Eşitlik Modelleri Yaklaşımı**
Noyan F., GÖLBAŞI ŞİMŞEK G.
İstatistik Araştırma Dergisi, vol.8, no.1, pp.33-42, 2011 (Peer-Reviewed Journal)
16. **Structural determinants of customer satisfaction in loyalty models: Turkish retail supermarkets**
Noyan Tekeli F., Gölbaşı Şimşek G.
Procedia Social and Behavioral Sciences, vol.30, pp.2134-2138, 2011 (Conference Book)
17. **Two-Level Factor Analysis of Morphometric Characters of Honeybees Population Sampled (Apis mellifera L.) in Turkey**
Kekeçoğlu M., GÖLBAŞI ŞİMŞEK G., Soysal M. İ., Gürcan E. K.
Journal of Tekirdag Agricultural Faculty, vol.6, no.1, pp.21-30, 2009 (Peer-Reviewed Journal)
18. **Türkiye'de Cep Telefonu Cihazı Pazarında Marka Sadakati İçin Bir Model Denemesi**
Gölbaşı Şimşek G., Noyan F.
ODTÜ GELİŞME DERGİSİ, vol.36, no.1, pp.121-159, 2009 (Peer-Reviewed Journal)
19. **Televizyon Kanalları Tercih Modellenbilir mi?**
GÖLBAŞI ŞİMŞEK G., Noyan F.
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.27, pp.242-254, 2009 (Peer-Reviewed Journal)
20. **İlçelerin Gelişmişlik İndekslerinin Oluşturulmasında Çok Aşamalı Doğrulayıcı Faktör Analizi Yaklaşımı**
GÖLBAŞI ŞİMŞEK G., Noyan F.

İstatistikçiler Dergisi, vol.1, no.1, pp.50-67, 2008 (Peer-Reviewed Journal)

21. **Karşılık Getirme Analizi ile Göç Edenlerin Evliliklerinde Göç Veren Bölge Faktörünün Değerlendirilmesi: İstanbul'daki Evlilik Profili**
Gölbaşı Şimşek G., Tuna E.
İstatistik Araştırma Dergisi, vol.3, pp.207-224, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

1. **Understanding the Antecedents of Customer Loyalty by Applying Structural Equation Modeling**
Gölbaşı Şimşek G., Noyan Tekeli F.
in: Handbook of Research on Developing Sustainable Value in Economics, Finance, and Marketing, Akkuçuk U., Editor, IGI Global, Pennsylvania, pp.420-445, 2015

Refereed Congress / Symposium Publications in Proceedings

1. **Makine Öğrenmesi Yöntemleri ile Zaman Serisi Analizi: Türkiye'de Elektrik Tüketimi Üzerine Bir Uygulama**
Hersek D., Gölbaşı Şimşek G.
12. Uluslararası Akademik Araştırmalar Kongresi, Ankara, Turkey, 19 - 20 December 2023, pp.166
2. **INVESTIGATION OF THE DEPENDENCE STRUCTURES OF BRICS COUNTRIES' STOCK MARKETS BEFORE AND AFTER COVID-19 PANDEMIC**
Karadağ T., Gölbaşı Şimşek G.
7th International Researchers, Statisticians, and Young Statisticians Congress, İstanbul, Turkey, 2 - 05 November 2023, pp.69
3. **Fuzzy Clustering Approach To Missing Value Imputation**
Kol A., Gölbaşı Şimşek G.
IV. International Applied Statistics Conference (UYIK - 2023), Sarajevo, Bosnia And Herzegovina, 26 - 29 September 2023, pp.1
4. **Bayes Toplamsal Regresyon Ağaçları ve Otomobil Fiyatları Üzerine Bir Uygulama**
Altuntaş A., Gölbaşı Şimşek G.
3rd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 14 - 17 January 2023, pp.242
5. **A robust functional logistic regression method for classification**
Mutuş M., Beyaztaş U., Gölbaşı Şimşek G., Shang H. L.
International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat'2020), Poznan, Poland, 30 August - 01 September 2021, pp.83
6. **Image Classification Using Deep Learning Algorithms**
Çınar U. K., Gölbaşı Şimşek G.
20th International Symposium on Econometrics, Operation Research and Statistics, Ankara, Turkey, 12 - 14 February 2020, pp.272
7. **Investigation of the Electricity Consumption of Provinces of Turkey using Functional Principal Components**
İnal S., Gölbaşı Şimşek G.
y-BIS 2019 Conference: ISBIS Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business, İstanbul, Turkey, 25 - 28 September 2019, pp.70
8. **Probabilistic Structural Equation Modeling Approach to Investigate the Relationships between Passenger Perceived Value, Image, Trust, Satisfaction and Loyalty**
Karadağ T., Gölbaşı Şimşek G.
y-BIS 2019 Conference: ISBIS Young Business and Industrial Statisticians Workshop on Recent Advances in Data

Science and Business Analytics, İstanbul, Turkey, 25 - 28 September 2019, pp.77

9. **Surveying The Rate of Return of Assets of Turkish Banks with Independent Component Analysis**
Gölbaşı Şimşek G., Civan Z., Çınar U. K.
ICAS 2019, Athens, Greece, 22 - 24 April 2019, pp.24
10. **Modeling Particle Size of Polyacrylic Acid-Copper(II)-Bovine Serum Albumin Ternary Complex In Salt Solution**
Şakar Daşdan D., Karahan M., Noyan Tekeli F., Gölbaşı Şimşek G.
5TH INTERNATIONAL CONFERENCE ON NEW TRENDS IN CHEMISTRY, Athens, Greece, 22 - 24 April 2019, pp.86
11. **Systemically Important Banks of Turkey by Using Quantile Regression: A Conditional Value at Risk (CoVaR) Approach**
Civan Z., GÖLBAŞI ŞİMŞEK G., Çağlayan Akay E.
4th International Conference on Advances in Statistics, St.Petersburg, Russia, 11 May 2018, pp.25
12. **Sample Size Requirements under Different Levels of Reliability for Latent Variable Structural Equation Modeling**
GÖLBAŞI ŞİMŞEK G., Öcüt E.
3rd International Conference on Advances in Statistics, Helsinki, Finland, 28 April 2017, pp.32
13. **Türk öğrencilerin PISA 2015 skorları için bifaktör modelinin değerlendirilmesi**
Genç R. M., GÖLBAŞI ŞİMŞEK G.
International Balkan and Near Eastern Social Sciences Conference Series, Edirne, Turkey, 04 March 2017, pp.1588
14. **Güvenilirliğin parametre tahminleri üstündeki etkisi**
Öcüt E., GÖLBAŞI ŞİMŞEK G.
International Balkan and Near Eastern Social Sciences Conference Series, Edirne, Turkey, 04 March 2017, pp.1526
15. **Veri madenciliği kullanılarak sigortacılık sektöründe risk değerlendirmesi**
Şahin M., GÖLBAŞI ŞİMŞEK G.
International Balkan and Near Eastern Social Sciences Conference Series, Edirne, Turkey, 04 March 2017, pp.1570
16. **Firma ve yönetici özellikleri ile adaptasyon stratejileri ve ihracat performansı arasındaki ilişkilerin incelenmesi: Mücevher sektörü örnek uygulaması**
Karaca A., GÖLBAŞI ŞİMŞEK G., Akyol A.
International Balkan and Near Eastern Social Sciences Conference Series, Edirne, Turkey, 04 March 2017, pp.1274-1280
17. **Türkiye'deki sistemik öneme sahip bankaların kantil regresyon yöntemi ile belirlenmesi**
Civan Z., GÖLBAŞI ŞİMŞEK G., Çağlayan Akay E.
2nd International Conference on Applied Economics and Finance, Girne, Cyprus (Kkct), 05 December 2016, pp.26
18. **A hybrid approach for determining the number of factors using empirical likelihood confidence intervals, bootstrap and parallel analysis**
Aydoğdu S., Gölbaşı Şimşek G.
2nd International Conference on Advances in Statistics, Zagreb, Croatia, 19 - 22 April 2016, pp.24
19. **INVESTIGATING CUSTOMER SATISFACTION USING IMPACT SCORE TECHNIQUE**
NOYAN TEKELİ F., GÖLBAŞI ŞİMŞEK G.
2 nd International Conference on Advances in Statistics, Zagreb, Croatia, 19 April 2016, pp.440
20. **IMPACT SCORE TECHNIQUE FOR ANALYZING THE SERVICE QUALITY OF HIGH SPEED RAIL SYSTEM**
Akyıldız Alçura G., Kuşaklı S. Ş., Gölbaşı Şimşek G., Gürsoy M., Tanrıverdi S. C.
Transportation Research Board 95th Annual Meeting, District Of Columbia, United States Of America, 10 - 14 January 2016, pp.10-20
21. **An application of artificial neural networks to body mass index estimation for countries**
Ergin G., Gölbaşı Şimşek G.
27th European Conference on Operational Research, Glasgow, United Kingdom, 12 - 15 July 2015, pp.256
22. **Eğitim örgütlerinde yetenek yönetimi ölçeği geliştirme çalışması**
Tabanlı E., Gölbaşı Şimşek G., Korumaz M.
IInd International Eurasian Educational Research Congress (EJER 2015), Ankara, Turkey, 8 - 10 June 2015, pp.1
23. **Application of empirical likelihood regression to a real data set with outliers**

Aydođdu S., Gölbaşı Şimşek G.

International Conference on Advances in Statistics, ICAS 2015, Dubai, United Arab Emirates, 24 - 28 March 2015, pp.24

24. **Bootstrap Approach in Parallel Analysis to Determine Non-zero Canonical Correlations**
Aydođdu S., Gölbaşı Şimşek G.
International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2014), Linköping, Sweden, 24 - 28 August 2014, pp.24
25. **Analyzing the item characteristics of the cognitive ability test**
NOYAN TEKELİ F., GÖLBAŞI ŞİMŞEK G.
International Conference on New Horizons in Education (INTE-2014), Paris, France, 25 June 2014, pp.25
26. **Parallel Analysis with Bootstrap Modification in Factor Analysis**
Gölbaşı Şimşek G., Aydođdu S.
9th International Statistics Day Symposium, Antalya, Turkey, 10 - 14 May 2014, pp.24
27. **An Application of Generalized Maximum Entropy Estimation of Linear Regression: Unemployment in Turkey**
Ergin G., GÖLBAŞI ŞİMŞEK G.
9th International Statistics Day Symposium, 01 May 2014
28. **Kanonik Korelasyon Analizinde Boyut Sayısına Karar Verilmesinde Paralel Analiz Yaklaşımı**
GÖLBAŞI ŞİMŞEK G., Noyan F., Aydođdu S.
8th Statistics Congress (SC), 01 October 2013
29. **Composite Reliability for Hierarchical Factor Structures**
GÖLBAŞI ŞİMŞEK G., Noyan F.
8th International Symposium of Statistics, 01 October 2012
30. **Determinants of the customer loyalty in the supermarkets**
Noyan Tekeli F., Gölbaşı Şimşek G., Yılmaz Şabanođlu D.
Yıldız Teknik Üniversitesi Fikirler Pazarı, İstanbul, Turkey, 24 - 25 May 2011, pp.11
31. **Understanding the antecedents of customer loyalty by applying structural equation modeling**
NOYAN TEKELİ F., GÖLBAŞI ŞİMŞEK G.
International 7th Statistics Congress, Antalya, Turkey, 28 April 2011, pp.88-89
32. **Optimal Conditions For Muthen s Maximum Likelihood Estimation Procedure A Monte Corlo Study**
Noyan Tekeli F., Gölbaşı Şimşek G.
International Science and Technology Conference, Girne, Cyprus (Kktc), 27 - 29 October 2010, pp.111-115
33. **Faktör Sayısının Belirlenmesinde Bileşik Güvenilirliği Yaklaşımı**
GÖLBAŞI ŞİMŞEK G., NOYAN TEKELİ F.
7. İstatistik Günleri Sempozyumu, Ankara, Turkey, 28 June 2010, pp.87-88
34. **Çok Boyutlu Ölçeklerde Boyuttan Bağımsız Bileşik Güvenilirliği**
GÖLBAŞI ŞİMŞEK G., Noyan F.
11. Ekonometri ve İstatistik Sempozyumu, 01 May 2010
35. **Multilevel Factor Analysis: An Application to Morphometry**
GÖLBAŞI ŞİMŞEK G., Noyan F.
International Symposium on Biomathematics and Ecology: Research and Education (BERE 2009), 01 June 2009
36. **Optimal conditions of multilevel confirmatory factor analysis.**
Noyan Tekeli F., Gölbaşı Şimşek G.
International Conference on Multivariate Statistical Modeling and High Dimensional Data Mining (HDM-2008), , Kayseri, Turkey, 19 - 23 June 2008, pp.87
37. **Multilevel Factor Analysis of Morphometric Characters in Honeybee (Apis mellifera L.) Populations of Turkey**
GÖLBAŞI ŞİMŞEK G., Noyan F., Kekeçođlu M.
International Conference on Multivariate Statistical Modeling and High Dimensional Data Mining (HDM-2008), Kayseri, Turkey, 19 June 2008, pp.84
38. **Multilevel Structural Equation Modeling of Perceived Academician Satisfaction for Turkish University**

Students

GÖLBAŞI ŞİMŞEK G., NOYAN TEKELİ F.

Sixth International Amsterdam Conference on Multilevel Analysis, Amsterdam, Netherlands, 16 June 2007, pp.35

39. **Application of Tetrachoric Correlation Coefficient on Banking Data**

GÖLBAŞI ŞİMŞEK G., Noyan F.

Risk Measures and Solvency Meeting, 01 May 2007

40. **The Relationships between Macroeconomic Indicators and Banking Performances of Turkey and The EU Countries**

GÖLBAŞI ŞİMŞEK G., Arıkan Tezergil S.

International Conference on Environment: Survival and Sustainability, 01 May 2007, vol.1, pp.143-168

41. **Regresyon Analizi'nin Geometrisi**

GÖLBAŞI ŞİMŞEK G., Arıkan Tezergil S.

Mantık, Matematik ve Felsefe IV. Ulusal Sempozyumu:Olasılık, 01 September 2006

42. **Determination of the Relative Position of Turkey in EU with Regard to Banking Performance**

GÖLBAŞI ŞİMŞEK G., Köse A., Arıkan Tezergil S.

International Finance Symposium, 01 May 2006, vol.1, pp.245-259

43. **Avrupa Birliği Ülkeleri ve Türkiye'nin Demografik Yapısının İncelenmesi**

Gölbaşı Şimşek G.

15. İstatistik Araştırma Sempozyumu, Ankara, Turkey, 01 January 2006, pp.19-35

44. **Faktör korelasyonlarının cronbach alpha üzerine etkisi**

Noyan Tekeli F., Gölbaşı Şimşek G.

6. İstatistik Kongresi, , Antalya, Turkey, 8 - 12 May 2005, pp.407-421

45. **An Application of Item Response Theory to General Ability Test**

Gölbaşı Şimşek G., Noyan F.

9th International Statistics Day Symposium, Antalya, Turkey, 10 - 14 May 2014, pp.24

Academic and Administrative Experience

2019 - 2022	Head of Department	Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics
2008 - 2018	Farabi Program Institutional Coordinator	Yildiz Technical University, Faculty of Arts & Science, Department of Statistics
2009 - 2010	Deputy Head of Department	Yildiz Technical University, Faculty of Arts & Science, Department of Statistics

Courses

Applied Regression Methods, Postgraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019

Structural Equation Modeling in Statistics, Doctorate, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017

Statistics with SAS Programming, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Graduation Thesis, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Uzmanlık Alan Dersi (Doktora), Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Regression Analysis 1, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Uzmanlık Alan Dersi (Yüksek Lisans), Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Data Classification Methods, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

M.Sc. Thesis, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

PH.D. Thesis, Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Regression Analysis 2, Undergraduate, 2018 - 2019, 2017 - 2018
Statistical Programming, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Statistics 1, Undergraduate, 2017 - 2018, 2016 - 2017
Current Statistics Applications, Undergraduate, 2016 - 2017

Advising Theses

Gölbaşı Şimşek G., Kayıp Değer Atamasına Bulanık Kümeleme Yaklaşımı, Postgraduate, A.KOL(Student), 2023
Gölbaşı Şimşek G., Beyaztaş U., Novel approaches to regression models for functional data, Postgraduate, M.MUTİŞ(Student), 2023
Gölbaşı Şimşek G., Probabilistic structural equation modeling approach to investigate the relationships between image, trust, perceived value, satisfaction, and loyalty, Postgraduate, T.KARADAĞ(Student), 2021
Gölbaşı Şimşek G., Fonksiyonel temel bileşen analizi, Postgraduate, S.İNAL(Student), 2020
Gölbaşı Şimşek G., Derin öğrenme algoritmalarını kullanarak görüntü sınıflandırma, Postgraduate, U.KUBİLAY(Student), 2020
Gölbaşı Şimşek G., Kanonik Korelasyon ve Faktör Analizinde Boyut Seçimi Problemine Paralel Analiz Yaklaşımları, Doctorate, S.AYDOĞDU(Student), 2019
Gölbaşı Şimşek G., Karar ağaçları ve yapay sinir ağları kullanarak kasko sigortalarında risk değerlendirme, Postgraduate, M.ŞAHİN(Student), 2018
Gölbaşı Şimşek G., Türkiye'deki sistemik öneme sahip bankaların kantil regresyon kullanılarak koşullu riske maruz değer yöntemi ile tespit edilmesi, Doctorate, Z.CİVAN(Student), 2018
Gölbaşı Şimşek G., Güvenirliliğin Parametre Tahminleri Üstündeki Etkisi, Postgraduate, E.Öcüt(Student), 2017
Gölbaşı Şimşek G., Bifaktör Modeli ve Bir Uygulama, Postgraduate, R.MELTEM(Student), 2017
Gölbaşı Şimşek G., Uluslararası Pazarlama Karması Adaptasyon Stratejilerinin İhracat Performansına Etkisi ve Mücevher Sektörü Uygulaması, Doctorate, A.Karaca(Student), 2016
Gölbaşı Şimşek G., Analitik Hiyerarşi Prosesi ve Bir Uygulama, Postgraduate, N.Günaydın(Student), 2016
Gölbaşı Şimşek G., Çok Gruplu Yapısal Eşitlik Modeli ile İndirim Marketi ve Süpermarket için Müşteri Sadakatini Etkileyen Faktörlerin Belirlenmesi, Postgraduate, D.Baş(Student), 2016
Gölbaşı Şimşek G., Bulanık Kümeleme Analizi ve Gençlerde Sigara İçme Eğilimi Üzerine Bir Uygulama, Postgraduate, H.Kavılı(Student), 2015

Scientific Refereeing

Marmara Üniversitesi İktisadi ve İdari Bilimler Dergisi, National Scientific Refreed Journal, June 2017
The Clinical Neuropsychologist, Journal Indexed in SSCI, January 2017
Öneri, National Scientific Refreed Journal, January 2017
International Journal of Mobile Communications, Journal Indexed in SSCI, December 2014
Machine Learning, SCI Journal, June 2014
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, October 2008

Metrics

Publication: 87
Citation (WoS): 121
Citation (Scopus): 160
H-Index (WoS): 7
H-Index (Scopus): 8

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences