

Assoc. Prof. GAMZE GÜVEN

Personal Information

Email: gamzeguven@ogu.edu.tr

Web: <https://avesis.ogu.edu.tr/gamzeguven>

International Researcher IDs

ORCID: 0000-0002-8821-3179

Yoksis Researcher ID: 106129

Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, İstatistik (Dr), Turkey 2016 - 2020

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, İstatistik (YI) (Tezli), Turkey 2014 - 2016

Undergraduate, Gazi University, Fen Fakültesi, İstatistik Bölümü, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Alternative Tests Based on Wald-Score Statistics for the Homogeneity of Scale Parameters of Inverse Gaussian Distribution, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, İstatistik (Dr), 2020

Postgraduate, Comparison of PLSR and PCR techniques with Monte Carlo simulation, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2015

Academic Titles / Tasks

Research Assistant PhD, Eskisehir Osmangazi University, FEN FAKÜLTESİ, İSTATİSTİK BÖLÜMÜ, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Computational Approach Test using Likelihood Based Tests for the Equality of Inverse Gaussian Means**
GÜVEN G., ŞAMKAR H., GÖKPINAR F.
REVSTAT-Statistical Journal, vol.22, no.2, pp.259-276, 2024 (SCI-Expanded)
- II. **Testing the equality of treatment means in one-way ANOVA: Short-tailed symmetric error terms with heterogeneous variances**
GÜVEN G.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.51, no.6, pp.1736-1751, 2022 (SCI-Expanded)
- III. **Estimation of the parameters of the gamma geometric process**
Kara M., GÜVEN G., ŞENOĞLU B., AYDOĞDU H.
Journal of Statistical Computation and Simulation, vol.92, no.12, pp.2525-2535, 2022 (SCI-Expanded)

- IV. **Score and Wald tests for the homogeneity of inverse Gaussian scale parameters based on computational approach test**
Güven G., Şamkar H., Gökpinar F.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.51, no.11, pp.6649-6666, 2022 (SCI-Expanded)
- V. **RobustBF: An R Package for Robust Solution to the Behrens-Fisher Problem**
GÜVEN G., Actus S., ŞAMKAR H., Sengolu B.
R JOURNAL, vol.13, no.2, pp.713-733, 2021 (SCI-Expanded)
- VI. **A fiducial-based approach to the one-way ANOVA in the presence of nonnormality and heterogeneous error variances**
GÜVEN G., Gurer O., ŞAMKAR H., ŞENOĞLU B.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.9, pp.1715-1729, 2019 (SCI-Expanded)
- VII. **Examination of Dimension Reduction Performances of PLSR and PCR Techniques in Data with Multicollinearity**
GÜVEN G., ŞAMKAR H.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.43, pp.969-978, 2019 (SCI-Expanded)
- VIII. **A new computational approach test for one-way ANOVA under heteroscedasticity**
Mutlu H. T., GÖKPINAR F., GÖKPINAR E., Gul H. H., GÜVEN G.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.16, pp.8236-8256, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **TESTING EQUALITY OF MEANS IN ONE-WAY ANOVA USING THREE AND FOUR MOMENT APPROXIMATIONS**
Güven G.
Communications Faculty of Sciences University of Ankara Series A1: Mathematics and Statistics, vol.72, no.3, pp.587-605, 2023 (ESCI)
- II. **Evaluation of removable partial denture design skills of predoctoral dental students**
BATAK B., GÖNÜLDAŞ F., GÜVEN G., AKALTAN K. F.
Yeditepe Dental Journal, vol.15, no.1, pp.7-13, 2019 (Peer-Reviewed Journal)
- III. **Özel Markalı Ürünleri Satın Alma Sıklığının Sıralı Lojistik Regresyon Analizi ile İncelenmesi**
ŞAMKAR H., GÜVEN G.
Kırklareli Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi 8, vol.8, no.1, pp.79-96, 2019 (Peer-Reviewed Journal)
- IV. **A Comparison of Five Tests for the Equality of Inverse Gaussian Means under Heteroscedasticity of Scale Parameters**
GÜVEN G.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.2, pp.628-641, 2018 (ESCI)
- V. **Comparison of PLSR and PCR techniques in terms of dimension reduction: an application on internal migration data in Turkey**
ŞAMKAR H., GÜVEN G.
INTERNATIONAL JOURNAL OF ADVANCED AND APPLIED SCIENCES, vol.3, no.8, pp.7-13, 2016 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **A new robust Liu-type estimator for regression based on RAMML estimators**
ACITAŞ Ş., filzmoser p., ŞENOĞLU B., GÜVEN G.
International Conference on Robust Statistics-ICORS 2021, 20 - 24 September 2021

- II. **Comparison of the Performances of the fiducial-based tests using M and MML estimators in one-way ANOVA**
Güven G., Şamkar H., Şenoğlu B.
3rd International Conference on Pure and Applied Mathematics, Van, Turkey, 03 September 2020
- III. **Bartlett Corrected Score Test for the Homogeneity of Inverse Gaussian Scale Parameters**
GÜVEN G., ŞAMKAR H., GÖKPINAR F.
International Symposium on Academic Studies in Science Engineering and Architecture Studies, 15 - 17 November 2019
- IV. **An Alternative Method to the Newton-Raphson:Genetic Algorithm**
YALÇINKAYA A., GÜVEN G., ŞAMKAR H., ŞENOĞLU B.
International Symposium on Academic Studies in Science Engineering and Architecture Studies, Ankara, Turkey, 15 - 17 November 2019
- V. **Comparison of Tests for the Homogeneity of Inverse Gaussian Scale Parameters**
GÖKPINAR E., GÜVEN G., GÖKPINAR F.
International Conference on Applied Mathematics in Engineering (ICAME), 27 - 29 June 2018
- VI. **Hypothesis testing in one-way ANOVA based on fiducial approach when the error terms have Weibull distribution and heterogeneous variances**
GÜVEN G., GÜRER Ö., ŞAMKAR H., ŞENOĞLU B.
International Conference on Applied Mathematics in Engineering (ICAME), 27 - 29 June 2018, pp.117
- VII. **Fiducial Based Approach for Testing the Equality of the Treatment Means in One-Way ANOVA When the Usual Normality and Homogeneity of Variances Assumptions are not Met**
GÜVEN G., GÜRER Ö., ŞAMKAR H., ŞENOĞLU B.
4th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2018), 28 - 30 April 2018, pp.115
- VIII. **SCORE TEST FOR HOMOGENEITY OF INVERSE GAUSSIAN SCALE PARAMETERS**
GÖKPINAR E., GÜVEN G., GÖKPINAR F.
4th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2018), 28 - 30 April 2018
- IX. **PLSR and PCR under Multicollinearity**
ŞAMKAR H., GÜVEN G.
10. ISC2017, 6 - 08 December 2017
- X. **On the Testing Homogeneity of Inverse Gaussian Scale Parameters**
GÜVEN G., GÖKPINAR E., GÖKPINAR F.
10.International Statistics Congress, 6 - 08 November 2017
- XI. **Sağlam Kısmi En Küçük Kareler Regresyon Tekniğinin Kullanımı Üzerine Bir Uygulama**
GÜVEN G., ŞAMKAR H.
18. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 5 October - 07 January 2017
- XII. **İki Yanlı Tahmin Tekniğinin Karşılaştırılmasına İlişkin Gerçek Bir Veri Seti Üzerinde Uygulama**
ŞAMKAR H., GÜVEN G.
18. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 5 - 07 October 2017
- XIII. **Normal Dağılımda Varyansların Eşitliği için Simülasyon Tabanlı Yöntemler**
GÜVEN G., GÖKPINAR E.
30. Ulusal Matematik Sempozyumu, Turkey, 6 - 09 September 2017
- XIV. **A new Test for Homogeneity of Inverse Gaussian Scale Parameters**
GÖKPINAR E., GÜVEN G., GÖKPINAR F.
International Conference on Applied Analysis and Mathematical Modeling, 3 - 07 July 2017
- XV. **An Application of Robust Principal Component Regression Method**
ŞAMKAR H., GÜVEN G.
International Conference on Applied Analysis and Mathematical Modeling, 3 - 07 July 2017
- XVI. **A Test for the Equality of Means based on Wald statistic under Inverse Gaussian Distributions**
GÖKPINAR E., GÜVEN G., GÖKPINAR F.
2nd International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017

- XVII. **Usage of Partial Robust M-Regression Method on a Real Data**
ŞAMKAR H., GÜVEN G.
ICANAS, 18 - 21 April 2017
- XVIII. **Likelihood Ratio Based Test for the Homogeneity of Variances**
GÜVEN G., GÖKPINAR F., GÖKPINAR E.
2nd International Researchers-Statisticiansand Young StatisticiansCongress, 4 - 08 May 2016
- XIX. **Testing the Equality of Several Normal Means under Heteroscedasticity**
GÜVEN G., GÖKPINAR F., GÖKPINAR E.
2nd International Researchers-Statisticiansand Young StatisticiansCongress, 4 - 08 May 2016
- XX. **Özel Markalı Ürünlere Olan Tüketici Talebinin Sıralı Lojistik Regresyon Analizi İle İncelenmesi**
ŞAMKAR H., GÜVEN G.
9.Uluslararası İstatistik Sempozyumu, Antalya, Turkey, 28 October - 01 November 2015
- XXI. **Sağlam faktör analizi ve bir uygulama**
ALPU Ö., GÜVEN G.
9. Uluslararası İstatistik Kongresi, 28 October - 01 November 2015
- XXII. **Kısmi En Küçük Kareler Regresyonu Ve Temel Bileşenler Regresyon Tekniklerinin RMSECV Kriteri Açısından Karşılaştırılması ve Gerçek Veri Seti Üzerine Bir Uygulama**
GÜVEN G., ŞAMKAR H.
9.Uluslararası İstatistik Sempozyumu, Antalya, Turkey, 28 October - 01 November 2015

Supported Projects

GÜVEN G., ŞAMKAR H., Project Supported by Higher Education Institutions, PLSR ve PCR Tekniklerinin Monte Carlo Simülasyonu ile Karşılaştırılması, 2015 - 2016

Tasks In Event Organizations

Güven G., 9th International Statistics Congress, Scientific Congress, Turkey, Kasım 2015

Metrics

Publication: 35

Citation (WoS): 10

Citation (Scopus): 8

H-Index (WoS): 2

H-Index (Scopus): 2