

Prof. MAHMUDE REVAN ÖZKALE ATICIOĞLU

Personal Information

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International Researcher IDs

ScholarID: tr

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Publons / Web Of Science ResearcherID: B-8163-2018

ScopusID: 15754296600

Yoksis Researcher ID: 19766

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2004 - 2007

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2002 - 2004

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Turkey 2002 - 2003

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Matematik, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Problems related with multicollinearity, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2007

Postgraduate, Statistical Quality Control and Applications, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik Anabilim Dalı, 2004

Research Areas

Quality Control, Statistics, Statistical Analysis and Applications

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2015 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2010 - 2015

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2007 - 2010

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2002 - 2007

Academic and Administrative Experience

Head of Department, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2024 - Continues
Faculty Board Member, Cukurova University, Fen-Edebiyat Fakültesi, 2024 - Continues
BAP Scientific Commissioner, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2021 - Continues
Farabi Coordinator, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2010 - Continues
Head of Department, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2020 - 2023
Head of Department, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2018 - 2021
Fakülte Kurulu Üyesi, Cukurova University, Fen-Edebiyat Fakültesi, 2016 - 2019
Visiting Scholar, Stockholms Universitet (Stockholm University), Department Of Statistics, 2017 - 2017
Cukurova University, Fen Edebiyat Fakültesi, 2016 - 2017
Cukurova University, Fen Edebiyat Fakültesi, 2016 - 2016
Cukurova University, Fen Edebiyat Fakültesi, İstatistik Bölümü, 2008 - 2015
Visiting Scholar, Ohio State University, College Of Public Health, Division Of Biostatistics, 2013 - 2014

Courses

Data Analysis with Python, Doctorate, 2022 - 2023
Regression Analysis, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Matris Kuramı, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2008 - 2009
Regresyon Kuramı I, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2007 - 2008
Econometric Models, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2008 - 2009, 2007 - 2008
Research Project II, Undergraduate, 2020 - 2021, 2019 - 2020, 2013 - 2014, 2008 - 2009, 2007 - 2008
İstatistiksel Kalite Kontrol, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2008 - 2009, 2007 - 2008
Regresyon Kuramı II, Postgraduate, 2020 - 2021, 2019 - 2020, 2013 - 2014, 2008 - 2009, 2007 - 2008
Logistic Regression analysis, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Zaman Serileri Analizi, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2008 - 2009, 2007 - 2008
Olasılık ve İstatistik II, Undergraduate, 2008 - 2009, 2007 - 2008
Olasılık ve İstatistik I, Undergraduate, 2008 - 2009, 2007 - 2008
Spor Bilimlerinde İstatistik Uygulama, Undergraduate, 2007 - 2008
Research Project I, Undergraduate, 2008 - 2009, 2007 - 2008
Spor Bilimlerinde İstatistik Uygulama, Undergraduate, 2008 - 2009

Advising Theses

Özkale Atcioğlu M. R., LOGISTIC REGRESSION FOR CLASSIFICATION, Doctorate, A.HASSAN(Student), Continues
Özkale Atcioğlu M. R., Modelling Radiomic Data via Machine Learning, Doctorate, O.DURAN(Student), Continues
Özkale Atcioğlu M. R., Monitoring methods for Conway-Maxwell-Poisson profiles under multicollinearity, Doctorate, U.Mammadova(Student), 2022
Özkale Atcioğlu M. R., Restricted estimation methods in generalized linear models, Doctorate, A.Abbasi(Student), 2022
Özkale Atcioğlu M. R., Application of bootstrap techniques in regression models, Postgraduate, H.ALTUNER(Student), 2021
Özkale Atcioğlu M. R., Ridge, lasso and elastic net methods in high dimensional data, Doctorate, M.Genç(Student), 2020
Özkale Atcioğlu M. R., The extreme learning machine based on L1 and L2 norm regularized regression, Doctorate, H.Yıldırım(Student), 2020

Özkale Atıcioğlu M. R., Diagnostic methods for outlier detection in time series, Postgraduate, S.Öcal(Student), 2020
ÖZKALE ATICIOĞLU M. R., Çok Değişkenli Regresyon Kontrol Grafikleri, Postgraduate, K.Dilek(Student), 2019
Özkale M. R., Türkiye Geneli Anne Ölüm Oranını ve Bebek Ölüm Hızını Etkileyen Faktörler: Çoklu Regresyon Analizi, Postgraduate, F.Can(Student), 2018
Özkale M. R., Estimation Methods in Generalized Linear Models, Doctorate, F.Kurtoğlu(Student), 2017
Özkale M. R., Lineer karma modellerde parametre tahmini ve sonuç çıkarım, Doctorate, Ö.Kuran(Student), 2017
Özkale M. R., Generalized linear model based control charts with Poisson response, Postgraduate, U.Mammadova(Student), 2017
Özkale M. R., Genel lineer modellerde yanlış tahmin ediciler ve tanılama metotları, Doctorate, T.Söküt(Student), 2016
Özkale M. R., Lojistik regresyon modelinde çoklu iç ilişki problemi, Doctorate, E.Arıcan(Student), 2016
Özkale M. R., Doğrusal karma modellerde ridge ve kısıtlı tahmin metotları: Bir Monte Carlo simülasyon çalışması, Doctorate, F.Can(Student), 2015
Özkale M. R., Doğrusal karma ve hiyerarşik modellerde rezidü ve etki analizi, Postgraduate, Ö.Kuran(Student), 2013
Özkale M. R., Sürekli regresyon ve ilişkili regresyon modellerinin incelenmesi, Postgraduate, Y.Can(Student), 2013
Özkale M. R., Değişen varyanslı ve otokorelasyonlu hataya sahip lineer regresyon modellerinde hata yapılarının ve yanlış tahmin edicilerin incelenmesi, Postgraduate, T.Söküt(Student), 2011
Özkale M. R., Bazı çok değişkenli istatistiksel teknikler arasındaki ilişkinin incelenmesi ve uygulamaları, Postgraduate, S.Can(Student), 2011
Özkale M. R., Mersin İlinde Narenciye Üretimi Katma Değer Tahmini, Postgraduate, C.Erdoğan(Student), 2010
Özkale M. R., Hanehalkı Harcamaları Olasılıklarını Sıralı Regresyon Modeli ile Tahmin Etme, Postgraduate, E.ARICAN(Student), 2010
Özkale M. R., Nitel yanıt değişkene sahip regresyon modellerinde tahmin yöntemleri, Postgraduate, E.Arıcan(Student), 2010

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Çukurova Üniversitesi, December, 2022
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Çukurova Üniversitesi, April, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, November, 2020
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, October, 2020
Doctorate, Doctorate, Çukurova Üniversitesi, October, 2020
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Çukurova Üniversitesi, June, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, April, 2018
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Çukurova Üniversitesi, February, 2018
Doctorate, Doktora Tezi, Çukurova Üniversitesi, June, 2016
Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, April, 2016
Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, October, 2015
Doctorate, Doktora Tezi, Çukurova Üniversitesi, June, 2015
Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, April, 2015
Doctorate, Ph.D. Thesis, University of Karachi, January, 2015
Doctorate, Doktora Tezi, Çukurova Üniversitesi, December, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Deviance residual-based Shewhart control chart for monitoring Conway-Maxwell-Poisson profile under the $r-k$ class estimator**
Mammadova U., ÖZKALE ATICIOĞLU M. R.
QUALITY TECHNOLOGY AND QUANTITATIVE MANAGEMENT, vol.21, no.6, pp.958-979, 2024 (SCI-Expanded)
- II. **The ridge prediction error sum of squares statistic in linear mixed models**
Kuran Ö., Özkale M. R.
METRIKA, vol.87, no.7, pp.757-773, 2024 (SCI-Expanded)
- III. **Lasso regression under stochastic restrictions in linear regression: An application to genomic data**
Genc M., Özkale M. R.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.53, no.8, pp.2816-2839, 2024 (SCI-Expanded)
- IV. **Detecting shifts in Conway-Maxwell-Poisson profile with deviance residual-based CUSUM and EWMA charts under multicollinearity**
Mammadova U., Ozkale M. R.
STATISTICAL PAPERS, vol.65, no.2, pp.597-643, 2024 (SCI-Expanded)
- V. **A Novel Regularized Extreme Learning Machine Based on L1 -Norm and L2 -Norm: a Sparsity Solution Alternative to Lasso and Elastic Net**
Yıldırım H., Özkale M. R.
Cognitive Computation, vol.16, no.2, pp.641-653, 2024 (SCI-Expanded)
- VI. **Iterative stochastic restricted $r - d$ class estimator in generalized linear models: application to binomial, Poisson and negative binomial distributions**
Abbasi A., Özkale M. R.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.53, no.5, pp.1419-1437, 2024 (SCI-Expanded)
- VII. **Restricted Liu estimator under stochastic linear restrictions in generalized linear models: theory and applications**
Abbasi A., Özkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2023 (SCI-Expanded)
- VIII. **Bootstrap confidence interval of ridge regression in linear regression model: A comparative study via a simulation study**
Özkale M. R., Altuner H.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.52, no.20, pp.7405-7441, 2023 (SCI-Expanded)
- IX. **A combination of ridge and Liu regressions for extreme learning machine**
Yildirim H., Ozkale M. R.
SOFT COMPUTING, vol.27, no.5, pp.2493-2508, 2023 (SCI-Expanded)
- X. **Regularization and variable selection with triple shrinkage in linear regression: a generalization of lasso**
Genc M., Ozkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2023 (SCI-Expanded)
- XI. **Model selection via conditional conceptual predictive statistic for mixed and stochastic restricted ridge estimators in linear mixed models**
Özkale M. R., Kuran O.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.28, 2022 (SCI-Expanded)
- XII. **Iterative restricted OK estimator in generalized linear models and the selection of tuning parameters via MSE and genetic algorithm**
Özkale M. R., Abbasi A.
STATISTICAL PAPERS, vol.63, no.6, pp.1979-2040, 2022 (SCI-Expanded)
- XIII. **Conway-Maxwell Poisson regression-based control charts under iterative Liu estimator for monitoring count data**
Mammadova U., Özkale M. R.
APPLIED STOCHASTIC MODELS IN BUSINESS AND INDUSTRY, vol.38, no.4, pp.695-725, 2022 (SCI-Expanded)

- XIV. **The red indicator and corrected VIFs in generalized linear models**
Ozkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.50, no.12, pp.4144-4170, 2021 (SCI-Expanded)
- XV. **Stochastic restricted Liu predictors in linear mixed models**
ÖZKALE M. R., Kuran O.
Communications In Statistics-Simulation And Computation, vol.50, no.9, pp.2561-2580, 2021 (SCI-Expanded)
- XVI. **LL-ELM: A regularized extreme learning machine based on L-1-norm and Liu estimator**
Yildirim H., Ozkale M. R.
NEURAL COMPUTING & APPLICATIONS, vol.33, no.16, pp.10469-10484, 2021 (SCI-Expanded)
- XVII. **The stochastic restricted ridge estimator in generalized linear models**
Ozkale M. R., Nyquist H.
STATISTICAL PAPERS, vol.62, no.3, pp.1421-1460, 2021 (SCI-Expanded)
- XVIII. **Bootstrap selection of ridge regularization parameter: a comparative study via a simulation study**
Özkale M. R., Altuner H.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2021 (SCI-Expanded)
- XIX. **Profile monitoring for count data using Poisson and Conway-Maxwell-Poisson regression-based control charts under multicollinearity problem**
Mammadova U., Özkale M. R.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.388, 2021 (SCI-Expanded)
- XX. **Improvement of mixed predictors in linear mixed models**
Kuran O., Özkale M. R.
JOURNAL OF APPLIED STATISTICS, vol.48, no.5, pp.924-942, 2021 (SCI-Expanded)
- XXI. **Usage of the GO estimator in high dimensional linear models**
Genç M., Özkale M. R.
COMPUTATIONAL STATISTICS, vol.36, pp.217-239, 2021 (SCI-Expanded)
- XXII. **Marginal ridge conceptual predictive model selection criterion in linear mixed models**
Kuran O., Ozkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.50, no.2, pp.581-607, 2021 (SCI-Expanded)
- XXIII. **Identification of outlying and influential data with principal components regression estimation in binary logistic regression**
Ozkale M. R.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.50, no.3, pp.609-630, 2021 (SCI-Expanded)
- XXIV. **The r-k class estimator in generalized linear models applicable with simulation and empirical study using a Poisson and Gamma responses**
Abbasi A., ÖZKALE ATICIOĞLU M. R.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.2, pp.594-611, 2021 (SCI-Expanded)
- XXV. **A further prediction method in linear mixed models: Liu prediction**
Ozkale M. R., Kuran O.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.12, pp.3171-3195, 2020 (SCI-Expanded)
- XXVI. **An Enhanced Extreme Learning Machine Based on Liu Regression**
Yıldırım H., Özkale M. R.
NEURAL PROCESSING LETTERS, vol.52, no.1, pp.421-442, 2020 (SCI-Expanded)
- XXVII. **The performance of ELM based ridge regression via the regularization parameters**
Yildirim H., Ozkale M. R.
EXPERT SYSTEMS WITH APPLICATIONS, vol.134, pp.225-233, 2019 (SCI-Expanded)
- XXVIII. **Adaptation of the jackknifed ridge methods to the linear mixed models**
Ozkale M. R., Kuran O.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.18, pp.3413-3452, 2019 (SCI-Expanded)

- XXIX. **Regression diagnostics methods for Liu estimator under the general linear regression model**
Acar T. S., Ozkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.3, pp.771-792, 2019 (SCI-Expanded)
- XXX. **A first-order approximated jackknifed ridge estimator in binary logistic regression**
Ozkale M. R., Arican E.
COMPUTATIONAL STATISTICS, vol.34, no.2, pp.683-712, 2019 (SCI-Expanded)
- XXXI. **Restricted ridge estimator in generalized linear models: Monte Carlo simulation studies on Poisson and binomial distributed responses**
KURTOĞLU F., Ozkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.48, no.4, pp.1191-1218, 2019 (SCI-Expanded)
- XXXII. **The r - d class estimator in generalized linear models: applications on gamma, Poisson and binomial distributed responses**
Ozkale M. R.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.4, pp.615-640, 2019 (SCI-Expanded)
- XXXIII. **Model selection via conditional conceptual predictive statistic under ridge regression in linear mixed models**
Kuran O., Ozkale M. R.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.1, pp.155-187, 2019 (SCI-Expanded)
- XXXIV. **Restricted Liu estimator in generalized linear models: Monte Carlo simulation studies on gamma and Poisson distributed responses**
KURTOĞLU F., Ozkale M. R.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.4, pp.1250-1276, 2019 (SCI-Expanded)
- XXXV. **Logistic regression diagnostics in ridge regression**
Ozkale M. R., Lemeshow S., STURDIVANT R.
COMPUTATIONAL STATISTICS, vol.33, no.2, pp.563-593, 2018 (SCI-Expanded)
- XXXVI. **Principal components regression and r-k class predictions in linear mixed models**
Ozkale M. R., Kuran O.
LINEAR ALGEBRA AND ITS APPLICATIONS, vol.543, pp.173-204, 2018 (SCI-Expanded)
- XXXVII. **Liu estimator in partly linear regression models with correlated errors**
Tabakan G., Ozkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.46, no.3, pp.1958-1973, 2017 (SCI-Expanded)
- XXXVIII. **An evaluation of ridge estimator in linear mixed models: an example from kidney failure data**
Ozkale M. R., CAN F.
JOURNAL OF APPLIED STATISTICS, vol.44, no.12, pp.2251-2269, 2017 (SCI-Expanded)
- XXXIX. **Influence measures based on confidence ellipsoids in general linear regression model with correlated regressors**
Acar T. S., Ozkale M. R.
JOURNAL OF APPLIED STATISTICS, vol.43, no.15, pp.2791-2812, 2016 (SCI-Expanded)
- XL. **Liu estimation in generalized linear models: application on gamma distributed response variable**
KURTOĞLU F., Ozkale M. R.
STATISTICAL PAPERS, vol.57, no.4, pp.911-928, 2016 (SCI-Expanded)
- XLI. **Iterative algorithms of biased estimation methods in binary logistic regression**
Ozkale M. R.
STATISTICAL PAPERS, vol.57, no.4, pp.991-1016, 2016 (SCI-Expanded)
- XLII. **Gilmour's approach to mixed and stochastic restricted ridge predictions in linear mixed models**
Kuran O., Ozkale M. R.
LINEAR ALGEBRA AND ITS APPLICATIONS, vol.508, pp.22-47, 2016 (SCI-Expanded)
- XLIII. **Influence measures in ridge regression when the error terms follow an Ar(1) process**

- SÖKÜT AÇAR T., Özkale M. R.
Computational Statistics, vol.31, no.3, pp.879-898, 2016 (SCI-Expanded)
- XLIV. **A new biased estimator in logistic regression model**
Özkale M. R., Arıcan E.
Statistics, vol.50, no.2, pp.233-253, 2016 (SCI-Expanded)
- XLV. **Cross validation of ridge regression estimator in autocorrelated linear regression models**
Acar T. S., Ozkale M. R.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.86, no.12, pp.2429-2440, 2016 (SCI-Expanded)
- XLVI. **First-order $r - d$ class estimator in binary logistic regression model**
Özkale M. R., Arıcan E.
STATISTICS & PROBABILITY LETTERS, vol.106, pp.19-29, 2015 (SCI-Expanded)
- XLVII. **Predictive performance of linear regression models**
Ozkale M. R.
STATISTICAL PAPERS, vol.56, no.2, pp.531-567, 2015 (SCI-Expanded)
- XLVIII. **Leverages and Influential Observations in a Regression Model with Autocorrelated Errors**
Ozkale M. R., Acar T. S.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.44, no.11, pp.2267-2290, 2015 (SCI-Expanded)
- XLIX. **The relative efficiency of the restricted estimators in linear regression models**
Ozkale M. R.
JOURNAL OF APPLIED STATISTICS, vol.41, no.5, pp.998-1027, 2014 (SCI-Expanded)
- L. **Monte Carlo Simulation Study of Biased Estimators in the Linear Regression Models with Correlated or Heteroscedastic Errors**
Ozkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.43, no.5, pp.1143-1186, 2014 (SCI-Expanded)
- LI. **Influence measures in affine combination type regression**
Ozkale M. R.
JOURNAL OF APPLIED STATISTICS, vol.40, no.10, pp.2219-2243, 2013 (SCI-Expanded)
- LII. **Combining the unrestricted estimators into a single estimator and a simulation study on the unrestricted estimators**
Ozkale M. R.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.82, no.5, pp.653-688, 2012 (SCI-Expanded)
- LIII. **More on the restricted ridge regression estimation**
KAÇIRANLAR S., SAKALLIOĞLU S., Ozkale M. R., GÜLER H.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.81, no.11, pp.1433-1448, 2011 (SCI-Expanded)
- LIV. **A stochastic restricted ridge regression estimator**
Ozkale M. R.
JOURNAL OF MULTIVARIATE ANALYSIS, vol.100, no.8, pp.1706-1716, 2009 (SCI-Expanded)
- LV. **Comment on Ridge Estimation to the Restricted Linear Model**
Ozkale M. R.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.38, no.7, pp.1094-1097, 2009 (SCI-Expanded)
- LVI. **Principal components regression estimator and a test for the restrictions**
Ozkale M. R.
STATISTICS, vol.43, no.6, pp.541-551, 2009 (SCI-Expanded)
- LVII. **Combining Unbiased Ridge and Principal Component Regression Estimators**
Batah F. S. M., Ozkale M. R., Gore S. D.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.38, no.13, pp.2201-2209, 2009 (SCI-Expanded)
- LVIII. **A jackknifed ridge estimator in the linear regression model with heteroscedastic or correlated errors**
Ozkale M. R.
STATISTICS & PROBABILITY LETTERS, vol.78, no.18, pp.3159-3169, 2008 (SCI-Expanded)

- LIX. **Comparisons of the r-k class estimator to the ordinary least squares estimator under the Pitman's closeness criterion**
Ozkale M. R., KAÇIRANLAR S.
STATISTICAL PAPERS, vol.49, no.3, pp.503-512, 2008 (SCI-Expanded)
- LX. **Superiority of the r-d class estimator over some estimators by the mean square error matrix criterion**
Ozkale M. R., Kaciranlar S.
STATISTICS & PROBABILITY LETTERS, vol.77, no.4, pp.438-446, 2007 (SCI-Expanded)
- LXI. **The restricted and unrestricted two-parameter estimators**
Ozkale M. R., KAÇIRANLAR S.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.36, pp.2707-2725, 2007 (SCI-Expanded)
- LXII. **A prediction-oriented criterion for choosing the biasing parameter in Liu estimation**
Ozkale M. R., Kaciranlar S.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.36, pp.1889-1903, 2007 (SCI-Expanded)
- LXIII. **Comparisons of the unbiased ridge estimation to the other estimations**
Ozkale M. R., Kaciranlar S.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.36, pp.707-723, 2007 (SCI-Expanded)
- LXIV. **Comparison of deviance and ridge deviance residual-based control charts for monitoring Poisson profiles**
Mammadova U., Ozkale M. R.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.52, no.3, 1 (SCI-Expanded)

Books & Book Chapters

- I. **Minitab and SPSS Applied Statistical Quality Control**
Özkale Atıcioğlu M. R.
Seçkin Yayıncılık, Ankara, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **CUSUM and EWMA charts for identifying anomalies in COM-Poisson profiles under multicollinearity**
Mammadova U., Özkale M. R.
III. International Applied Statistics Conference UYIK-2022, Skopje, Macedonia, 22 - 24 June 2022, pp.79
- II. **Addressing multicollinearity via modified Shewhart chart in monitoring COM-Poisson profiles**
Mammadova U., Özkale M. R.
III. International Applied Statistics Conference UYIK-2022, Skopje, Macedonia, 22 - 24 June 2022, pp.78
- III. **Inference for various models to combat multicollinearity and their applications in various fields**
Özkale M. R.
Örebro University School of Business, Seminars, Örebro, Sweden, 11 November 2021
- IV. **Regularizing Least Squares and Extreme Learning Machine in High Dimensionality and Multicollinearity**
Özkale M. R.
15th Iranian Statistics Conference, Yazd, Iran, 9 - 11 September 2020, pp.1
- V. **Ridge deviance residual charts for monitoring Poisson distributed data**
Mammadova U., ÖZKALE M. R.
5th International Researchers, Statisticians and Young Statisticians Congress,, İzmir, Turkey, 18 - 20 October 2019, pp.1
- VI. **The GO estimator: A new generalization of Lasso**
GENÇ M., ÖZKALE M. R.

Young Business and Industrial Statisticians (y-BIS) Workshop on Recent Advances in Data Science and Business Analytics, İstanbul, Turkey, 25 - 28 September 2019, pp.2

VII. **Stochastic linear restrictions in generalized linear models**

ÖZKALE ATICIOĞLU M. R.

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VIII. **The Performance of ELM Based Ridge Regression via The Regularization Parameters**

YILDIRIM H., ÖZKALE ATICIOĞLU M. R.

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IX. **A New Extreme Learning Machine Algorithm Using Liu Regression**

Yıldırım H., ÖZKALE M. R.

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X. **A Comparative Study On The Effect Of Regularization Parameters On Extreme Learning Machine Based on Ridge Regression**

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XI. **A new collinearity diagnostic in generalized linear models**

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XII. **Regression diagnostics methods for Liu estimator under the general linear regression model**

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XIII. **Generalized linear model based control charts with Poisson response**

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XIV. **Influential observations on the confidence ellipsoids of generalized least squares and ridge regression estimators**

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XVIII. International Symposium on Econometrics, Operations Research and Statistics, Trabzon, Turkey, 5 - 07 October 2017, pp.1

XV. **Restricted alternatives to ridge and lasso regression: a random effects approach**

GENÇ M., ÖZKALE M. R.

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XVII. **Adjustment of the jackknifed ridge method to the linear mixed models**

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XVIII. **On ridge parameter estimators for generalized linear mixed models: simulation study on Gamma response variable**

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- XX. On estimating the regression coefficients in generalized linear models via a r-d class estimator**
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- XXI. Determining the efficiency of classification algorithms on different data sets**
YILDIRIM H., ÖZKALE M. R.
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- XXII. Linear mixed model selection under ridge regression based on conceptual predictive statistic**
Kuran Ö., ÖZKALE M. R.
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- XXIII. Assessing The Influential Observations For Linear Regression Model With Second-order Autoregressive Errors**
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- XXIV. Linear mixed model selection under ridge regression based on the conceptual predictive statistic**
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- XXV. A first-order approximated restricted Liu estimation in generalized linear models**
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- XXVI. Estimation in linear mixed models under stochastic linear restrictions: mixed and stochastic restricted ridge estimations**
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- XXVIII. Otokorelasyonlu lineer regresyon modellerinde model geçerliliği için en iyi ridge yanlılık parametresinin belirlenmesi**
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- XXIX. Iterative algorithms of biased estimation methods in binary logistic regression**
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XXXII. Diagnostic statistics for binary logistic regression in the presence of multicollinearity

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XXXIII. Otokorelasyon ve çoklu iç ilişki varlığında etkinlik ölçümleri

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XXXIV. Lineer karma modellerde etki analizinin uygulaması

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XXXV. r-k class estimator in logistic regression

Arıcan E., ÖZKALE M. R.

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XXXVI. Detection of influential observations in linear regression models with autocorrelated errors

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XXXVII. On the performance of the restricted estimators

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XXXVIII. Çoklu iç ilişki olması durumunda lineer regresyonda kullanılan yanlış tahmin edicilerin değerlendirilmesi

ÖZKALE M. R.

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XXXIX. Değişen varyanslı ve otokorelasyonlu hataya sahip lineer regresyon modellerinde yanlış tahmin edicilerin karşılaştırılması

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Scientific Consultations

Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2023 - 2023
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2022 - 2022
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2022 - 2022
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2022 - 2022
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2021 - 2021
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2019 - 2019
Türkiye Bilimsel ve Teknolojik Araştırmalar Kurumu (TÜBİTAK), Project Consultancy, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, Turkey, 2018 - 2018

Metrics

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H-Index (Scopus): 13

Congress and Symposium Activities

Örebro University, Invited Speaker, Örebro, Sweden, 2021

15th Iranian Statistics Conference, Invited Speaker, Yazd, Iran, 2020

Young Business and Industrial Statisticians (y-BİS) Workshop on Recent Advances in Data Science and Business Analytics, Session Moderator, İstanbul, Turkey, 2019

Young Business and Industrial Statisticians (y-BİS) Workshop on Recent Advances in Data Science and Business Analytics, Attendee, İstanbul, Turkey, 2019

International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT2018), Attendee, Poznan, Poland, 2018

XVIII. International Symposium on Econometrics, Operations Research and Statistics, Session Moderator, Trabzon, Turkey, 2017

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3rd Researchers-Statisticians and Young Statisticians Congress (3rd IRSYSC-2017), Attendee, Konya, Turkey, 2017

International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2016), Session Moderator, İstanbul, Turkey, 2016

Trends and Perspectives in Linear Statistical Inference (LinStat2016), Attendee, İstanbul, Turkey, 2016

International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2010), Attendee, Nevşehir, Turkey, 2016

PROBSTAT 2015- The Seventh International Conference on Mathematical Statistics, Attendee, Bratislava, Slovakia, 2015

Trends and Perspectives in Linear Statistical Inference (LinStat2014), Attendee, Linköping, Sweden, 2014

8. International Symposium of Statistics, Session Moderator, Eskişehir, Turkey, 2012

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The IX Tartu Conference on Multivariate Statistics & The XX International Workshop on Matrices and Statistics, Attendee, Tartu, Estonia, 2011

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6. İstatistik Günleri Sempozyumu, Attendee, Samsun, Turkey, 2008

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Scholarships

2219-Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2013 - 2014

Yurt İçi Doktora Burs Programı, TÜBİTAK, 2005 - 2007

Yurt İçi Yüksek Lisans Burs Programı, TÜBİTAK, 2003 - 2004

Üniversite Temel Bilimler Burs Programı-B, TÜBİTAK, 2000 - 2002

Awards

Özkale M. R., 2002 Bölüm Üçüncülüğü, Çukurova Üniversitesi, June 2002

Özkale M. R., 2002 Fakülte Üçüncülüğü, Çukurova Üniversitesi, June 2002

Non Academic Experience

Stockholm University, Department of Statistics

Ohio State University, College of Public Health, Division of Biostatistics