

Prof. OLÇAY ARSLAN



Personal Information

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International Researcher IDs

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ScopusID: 7006832860

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Education Information

Doctorate, University of Leeds, United Kingdom 1989 - 1993

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey
1983 - 1986

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1979 -
1983

Dissertations

Doctorate, Multivariate Robust Analysis Based on the t-distribution and EM algorithm, University of Leeds, 1993

Postgraduate, Helmothz Denklemleri, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1986

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2010 - Continues

Associate Professor, Saint Cloud State University, Science And Engineering, Statistics, 2001 - 2003

Academic and Administrative Experience

Academic Performance D. Board Member, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2023 - Continues

Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2016 -
Continues

Ankara University, 2014 - Continues

Fakülte Yönetim Kurulu Üyesi, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2011 - 2023

Deputy Head of Department, Ankara University, 2011 - 2012

Cukurova University, 2003 - 2005

Courses

810617 UZMANLIK ALAN DERSİ, Doctorate, 2024 - 2025, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
810717 UZMANLIK ALAN DERSİ, Postgraduate, 2024 - 2025, 2022 - 2023, 2021 - 2022
İST 307 Regresyon Analizi, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
İST 532 DAYANIKLI İSTATİSTİK, Doctorate, 2024 - 2025, 2022 - 2023, 2014 - 2015, 2013 - 2014, 2012 - 2013
İST 518 İLERİ İSTATİSTİK TEORİSİ, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
810817 SEMİNER , Doctorate, 2022 - 2023, 2021 - 2022
810717 Seminer, Postgraduate, 2022 - 2023, 2021 - 2022
Özel Konu, Undergraduate, 2022 - 2023, 2021 - 2022
İST 451 ÖZEL KONU, Undergraduate, 2022 - 2023, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
İST 517 İLERİ OLASILIK TEORİSİ, Doctorate, 2013 - 2014, 2012 - 2013

Advising Theses

Arslan O., Çok Dilli Duygu Analizi, Postgraduate, D.DEMİR(Student), 2024
Arslan O., YÜKSEK BOYUTLU BÜYÜK VERİLERDE AYKIRI DEĞERLERİ TANILAMA TEKNİKLERİ, Postgraduate, A.ASENA(Student), 2024
Arslan O., HÜCRESEL AYKIRI GÖZLEM OLMASI DURUMUNDA SAĞLAM TAHMİN YÖNTEMLERİ İLE İSTATİSTİKSEL VERİ ANALİZİ, Doctorate, E.ŞEN(Student), 2023
Arslan O., Cezalandırılmış En Çok Olabilirlik Yöntemi ile Parametre Tahmini, Postgraduate, H.DALKILIÇ(Student), 2023
Arslan O., Bayesci Semiparametrik Regresyon, Postgraduate, S.ÇETİN(Student), 2023
Arslan O., Büyük Veri Analizinde Etkin İstatistiksel Yöntemler, Doctorate, S.CİHAT(Student), 2023
Arslan O., Türkiye'deki bankaların karlılığını etkileyen faktörlerin panel veri ve lasso regresyon yöntemi ile analizi, Postgraduate, G.NUR(Student), 2022
ARSLAN O., Robust bayesci regresyon analizi, Doctorate, M.KAYA(Student), 2020
ARSLAN O., Otoregresif hata terimli regresyon modellerinde robust parametre tahmini ve model seçimi, Doctorate, Y.TUAÇ(Student), 2020
ARSLAN O., Using robust estimation methods in logistic regression, Postgraduate, T.PARLAK(Student), 2019
ARSLAN O., Simetrik ve çarpık dağılımlar için bilgi karmaşıklık (ICOMP) kriteri kullanılarak robust model seçimi, Doctorate, Y.GÜNEY(Student), 2018
ARSLAN O., Ampirik olabilirlik yöntemi ile robust regresyon analizi, Doctorate, Ş.ÖZDEMİR(Student), 2018
ARSLAN O., Asimetrik etki fonksiyonlu M-tahmin edicileri: Özellikleri ve uygulamaları, Doctorate, M.NİYZAZI(Student), 2015
ARSLAN O., Karma regresyon modellerinde dayanıklı parametre tahmini, Doctorate, F.ZEHRA(Student), 2015
ARSLAN O., Matris değişkenli dağılımlar ve robust istatistiksel analize uygulamaları, Doctorate, Y.MURAT(Student), 2015
ARSLAN O., Lineer karma modellerde kalın kuyruklu dağılımlara dayalı parametre tahminleri, Doctorate, F.GÖKALP(Student), 2015
ARSLAN O., Ar(1) hata terimli regresyon modellerinde çarpık dağılımlara dayalı parametre tahmini, Postgraduate, Y.TUAÇ(Student), 2014
ARSLAN O., Genelleştirilmiş hiperbolik dağılımlara dayalı diskriminant analizi, Doctorate, A.YILMAZ(Student), 2013
Şenoğlu B., Arslan O., ANOVA Modellerinde Çarpık Dağılımlar Kullanılarak Dayanıklı İstatistiksel Sonuç Çıkarımı ve Uygulamaları, Doctorate, N.Çimen(Student), 2012
ARSLAN O., Quantile regresyon: Teorisi ve uygulamaları, Postgraduate, F.KURTOĞLU(Student), 2011
ARSLAN O., Karma denemelerde ve modellerde Robust istatistiksel analizler, Doctorate, O.COŞKUNTUNCEL(Student), 2005
ARSLAN O., Robust statistical analysis based on the generalized T distribution families, Doctorate, A.İHSAN(Student),

Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Ondokuz Mayıs Üniversitesi, March, 2024

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Hacettepe Üniversitesi, December, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gebze Teknik Üniversitesi, July, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Afyon Kocatepe Üniversitesi, January, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Ankara Üniversitesi, September, 2022

Post Graduate, Post Graduate, Hacettepe Üniversitesi, May, 2022

Associate Professor Exam, Associate Professor Exam, Ankara Üniversitesi, January, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Orta Doğu Teknik Üniversitesi, January, 2022

Associate Professor Exam, Associate Professor Exam, Ankara Üniversitesi, August, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, January, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, January, 2019

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Ankara Üniversitesi, December, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, January, 2012

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, January, 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Joint Robust Variable Selection of Mean and Covariance Model via Shrinkage Methods**
Güney Y., Gökalp Yavuz F., Arslan O.
INTERNATIONAL STATISTICAL REVIEW, 2024 (SCI-Expanded)
- II. **Nonparametric tests in linear model with autoregressive errors**
Jureckova J., Arslan O., Güney Y., Picek J., Schindler M., Tuuç Y.
METRIKA, vol.86, no.4, pp.443-453, 2023 (SCI-Expanded)
- III. **Variance-mean mixture of multivariate normal distribution and weighted gamma distribution: properties and applications**
Dogru F. Z., Arslan O.
JOURNAL OF THE KOREAN STATISTICAL SOCIETY, vol.52, no.1, pp.185-222, 2023 (SCI-Expanded)
- IV. **Robust penalized empirical likelihood estimation method for linear regression**
Arslan O., Özdemir Ş.
STATISTICS, vol.57, no.2, pp.423-443, 2023 (SCI-Expanded)
- V. **Mixture regression modelling based on the shape mixtures of skew Laplace normal distribution**
Dogru F. Z., ARSLAN O.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.93, no.18, pp.3403-3420, 2023 (SCI-Expanded)
- VI. **Robust estimation in multivariate heteroscedastic regression models with autoregressive covariance**

structures using EM algorithm

Güney Y., Arslan O., Gökalp Yavuz F.

JOURNAL OF MULTIVARIATE ANALYSIS, vol.191, 2022 (SCI-Expanded)

- VII. **Combining empirical likelihood and robust estimation methods for linear regression models**
ÖZDEMİR Ş., ARSLAN O.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.51, no.3, pp.941-954, 2022 (SCI-Expanded)
- VIII. **Robust estimation in restricted linear regression**
TOKA O., ÇETİN M., ARSLAN O.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.51, no.3, pp.1015-1029, 2022 (SCI-Expanded)
- IX. **Empirical likelihood estimation for linear regression models with AR(p) error terms with numerical examples**
Özdemir Ş., Güney Y., Tuac Y., Arslan O.
JOURNAL OF APPLIED STATISTICS, vol.49, no.9, pp.2271-2286, 2022 (SCI-Expanded)
- X. **Multivariate skew Laplace normal distribution for modeling skewness and heavy-tailedness in multivariate data sets**
Dogru F. Z., ARSLAN O.
STATISTICS AND ITS INTERFACE, vol.15, no.4, pp.475-485, 2022 (SCI-Expanded)
- XI. **Robust model selection in linear regression models using information complexity**
GÜNEY Y., Bozdogan H., ARSLAN O.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.398, 2021 (SCI-Expanded)
- XII. **Optimal b-robust estimation for the parameters of the marshall-olkin extended burr xii distribution with an application to pharmacokinetics**
GÜNEY Y., Özdemir Ş., TUAÇ Y., ARSLAN O.
Revstat Statistical Journal, vol.19, no.3, pp.421-442, 2021 (SCI-Expanded)
- XIII. **Robust estimation and variable selection in heteroscedastic regression model using least favorable distribution**
GÜNEY Y., TUAÇ Y., ÖZDEMİR Ş., ARSLAN O.
COMPUTATIONAL STATISTICS, vol.36, no.2, pp.805-827, 2021 (SCI-Expanded)
- XIV. **Finite mixtures of skew Laplace normal distributions with random skewness**
Dogru F. Z., ARSLAN O.
COMPUTATIONAL STATISTICS, vol.36, no.1, pp.423-447, 2021 (SCI-Expanded)
- XV. **FINITE MIXTURES OF MULTIVARIATE SKEW LAPLACE DISTRIBUTIONS**
Dogru F. Z., BULUT Y. M., ARSLAN O.
REVSTAT-STATISTICAL JOURNAL, vol.19, no.1, pp.35-46, 2021 (SCI-Expanded)
- XVI. **Robust mixture regression modeling based on the generalized M (GM)-estimation method**
Dogru F. Z., ARSLAN O.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.50, pp.2643-2665, 2021 (SCI-Expanded)
- XVII. **Conditional maximum Lq-likelihood estimation for regression model with autoregressive error terms**
GÜNEY Y., Tuac Y., Ozdemir S., ARSLAN O.
Metrika, vol.84, no.1, pp.47-74, 2021 (SCI-Expanded)
- XVIII. **Robust regression estimation and variable selection when cellwise and casewise outliers are present**
TOKA O., ÇETİN M., ARSLAN O.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.1, pp.289-303, 2021 (SCI-Expanded)
- XIX. **Empirical likelihood-MM (EL-MM) estimation for the parameters of a linear regression model**
ÖZDEMİR Ş., ARSLAN O.
STATISTICS, vol.55, no.1, pp.45-67, 2021 (SCI-Expanded)
- XX. **Variable selection in elliptical linear mixed model**
GÖKALP YAVUZ F., ARSLAN O.

JOURNAL OF APPLIED STATISTICS, vol.47, no.11, pp.2025-2043, 2020 (SCI-Expanded)

- XXI. **Parameter estimation of regression model with AR(p) error terms based on skew distributions with EM algorithm**
Tuac Y., GÜNEY Y., ARSLAN O.
Soft Computing, vol.24, no.5, pp.3309-3330, 2020 (SCI-Expanded)
- XXII. **On the robustness properties for maximum likelihood estimators of parameters in exponential power and generalized T distributions**
ÇANKAYA M. N., ARSLAN O.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.49, no.3, pp.607-630, 2020 (SCI-Expanded)
- XXIII. **Heteroscedastic and heavy-tailed regression with mixtures of skew Laplace normal distributions**
Dogru F. Z., Yu K., ARSLAN O.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.17, pp.3213-3240, 2019 (SCI-Expanded)
- XXIV. **On the robustness of an epsilon skew extension for Burr III distribution on the real line**
Cankaya M. N., YALÇINKAYA A., Altindag O., ARSLAN O.
COMPUTATIONAL STATISTICS, vol.34, no.3, pp.1247-1273, 2019 (SCI-Expanded)
- XXV. **An alternative algorithm of the empirical likelihood estimation for the parameter of a linear regression model**
ÖZDEMİR Ş., ARSLAN O.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.48, no.7, pp.1913-1921, 2019 (SCI-Expanded)
- XXVI. **Joint Modelling of the Location, Scale and Skewness Parameters of the Skew Laplace Normal Distribution**
Dogru F. Z., ARSLAN O.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.43, no.A3, pp.1249-1257, 2019 (SCI-Expanded)
- XXVII. **Robust parameter estimation of regression model with AR(p) error terms**
Tuac Y., GÜNEY Y., ŞENOĞLU B., ARSLAN O.
Communications in Statistics: Simulation and Computation, vol.47, no.8, pp.2343-2359, 2018 (SCI-Expanded)
- XXVIII. **A new family of multivariate slash distributions**
Moradi Z. G., Arashi M., ARSLAN O., Iranmanesh A.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.7, pp.3264-3275, 2017 (SCI-Expanded)
- XXIX. **Robust mixture regression based on the skew t distribution Mixtura robusta de modelos de regresión basada en la distribución t asimétrica**
Doğru F. Z., ARSLAN O.
Revista Colombiana de Estadística, vol.40, no.1, pp.45-64, 2017 (SCI-Expanded)
- XXX. **Marshall-Olkin distribution: parameter estimation and application to cancer data**
GÜNEY Y., TUAÇ Y., ARSLAN O.
JOURNAL OF APPLIED STATISTICS, vol.44, no.12, pp.2238-2250, 2017 (SCI-Expanded)
- XXXI. **Parameter estimation for mixtures of skew Laplace normal distributions and application in mixture regression modeling**
Dogru F. Z., ARSLAN O.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.21, pp.10879-10896, 2017 (SCI-Expanded)
- XXXII. **The generalized half-t distribution**
BULUT Y. M., Jamalizadeh A., Dogru F. Z., ARSLAN O.
STATISTICS AND ITS INTERFACE, vol.10, no.4, pp.727-734, 2017 (SCI-Expanded)
- XXXIII. **Penalized MM regression estimation with L penalty: a robust version of bridge regression**
ARSLAN O.
STATISTICS, vol.50, no.6, pp.1236-1260, 2016 (SCI-Expanded)
- XXXIV. **Optimal B-robust estimators for the parameters of the Burr XII distribution**
Dogru F. Z., ARSLAN O.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.86, no.6, pp.1133-1149, 2016 (SCI-Expanded)

- XXXV. **Stochastic analysis of covariance when the error distribution is long-tailed symmetric**
KASAP P., ŞENOĞLU B., ARSLAN O.
JOURNAL OF APPLIED STATISTICS, vol.43, no.11, pp.1977-1997, 2016 (SCI-Expanded)
- XXXVI. **Alpha-skew generalized t distribution Distribución t generalizada alfa sesgada**
Acitas S., ŞENOĞLU B., ARSLAN O.
Revista Colombiana de Estadística, vol.38, no.2, pp.353-370, 2015 (SCI-Expanded)
- XXXVII. **A bimodal extension of the generalized gamma distribution Una extensión bimodal de la distribución gamma generalizada**
Çankaya M. N., BULUT Y. M., Doğru F. Z., ARSLAN O.
Revista Colombiana de Estadística, vol.38, no.2, pp.371-384, 2015 (SCI-Expanded)
- XXXVIII. **Matrix variate slash distribution**
BULUT Y. M., ARSLAN O.
JOURNAL OF MULTIVARIATE ANALYSIS, vol.137, pp.173-178, 2015 (SCI-Expanded)
- XXXIX. **Variance-mean mixture of the multivariate skew normal distribution**
ARSLAN O.
STATISTICAL PAPERS, vol.56, no.2, pp.353-378, 2015 (SCI-Expanded)
- XL. **Estimation and testing in one-way anova when the errors are skew-normal Estimación y pruebas de hipótesis en ANOVA a una vía cuando los errores se distribuyen como normal sesgados**
Celik N., ŞENOĞLU B., ARSLAN O.
Revista Colombiana de Estadística, vol.38, no.1, pp.75-91, 2015 (SCI-Expanded)
- XLI. **ROBUST ESTIMATION WITH THE SKEW t(2) DISTRIBUTION**
Acitas S., KASAP P., ŞENOĞLU B., ARSLAN O.
PAKISTAN JOURNAL OF STATISTICS, vol.29, no.4, pp.409-430, 2013 (SCI-Expanded)
- XLII. **Robust estimation with the skew t2 distribution**
Acitas S., Kasap P., ŞENOĞLU B., ARSLAN O.
Pakistan Journal of Statistics, vol.29, no.4, pp.409-430, 2013 (SCI-Expanded)
- XLIII. **One-step M-estimators: Jones and Faddy's skewed t-distribution**
ACITAS S., KASAP P., ŞENOĞLU B., ARSLAN O.
JOURNAL OF APPLIED STATISTICS, vol.40, no.7, pp.1545-1560, 2013 (SCI-Expanded)
- XLIV. **Weighted LAD-LASSO method for robust parameter estimation and variable selection in regression**
ARSLAN O.
COMPUTATIONAL STATISTICS & DATA ANALYSIS, vol.56, no.6, pp.1952-1965, 2012 (SCI-Expanded)
- XLV. **An alternative multivariate skew Laplace distribution: properties and estimation**
ARSLAN O.
STATISTICAL PAPERS, vol.51, no.4, pp.865-887, 2010 (SCI-Expanded)
- XLVI. **Maximum likelihood parameter estimation for the multivariate skew-slash distribution**
ARSLAN O.
STATISTICS & PROBABILITY LETTERS, vol.79, no.20, pp.2158-2165, 2009 (SCI-Expanded)
- XLVII. **A generalization of the multivariate slash distribution**
ARSLAN O., GENÇ A. İ.
JOURNAL OF STATISTICAL PLANNING AND INFERENCE, vol.139, no.3, pp.1164-1170, 2009 (SCI-Expanded)
- XLVIII. **The skew generalized t distribution as the scale mixture of a skew exponential power distribution and its applications in robust estimation**
ARSLAN O., GENÇ A. İ.
STATISTICS, vol.43, no.5, pp.481-498, 2009 (SCI-Expanded)
- XLIX. **Variance-Mean Mixture of Kotz-Type Distributions**
ARSLAN O.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.38, no.2, pp.272-284, 2009 (SCI-Expanded)
- L. **An alternative multivariate skew-slash distribution**
ARSLAN O.
STATISTICS & PROBABILITY LETTERS, vol.78, no.16, pp.2756-2761, 2008 (SCI-Expanded)

- LI. **Comment on "Information matrices for Laplace and Pareto mixtures" by S. Nadarajah**
ARSLAN O.
COMPUTATIONAL STATISTICS & DATA ANALYSIS, vol.51, no.6, pp.2792-2793, 2007 (SCI-Expanded)
- LII. **A new class of multivariate distributions: Scale mixture of Kotz-type distributions**
ARSLAN O.
STATISTICS & PROBABILITY LETTERS, vol.75, no.1, pp.18-28, 2005 (SCI-Expanded)
- LIII. **Simulating the development period of a parasite of sheep on pasture under varying temperature conditions**
Onyiah L., ARSLAN O.
JOURNAL OF THERMAL BIOLOGY, vol.30, no.3, pp.203-211, 2005 (SCI-Expanded)
- LIV. **Family of multivariate generalized t distributions**
ARSLAN O.
JOURNAL OF MULTIVARIATE ANALYSIS, vol.89, no.2, pp.329-337, 2004 (SCI-Expanded)
- LV. **On the computation and finite sample behavior of the constrained M-estimates for multivariate location and scatter**
ARSLAN O.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.33, no.3, pp.685-701, 2004 (SCI-Expanded)
- LVI. **Convergence behavior of an iterative reweighting algorithm to compute multivariate M-estimates for location and scatter**
ARSLAN O.
JOURNAL OF STATISTICAL PLANNING AND INFERENCE, vol.118, no.1-2, pp.115-128, 2004 (SCI-Expanded)
- LVII. **Robust location and scale estimation based on the univariate generalized t (GT) distribution**
ARSLAN O., GENÇ A. İ.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.32, no.8, pp.1505-1525, 2003 (SCI-Expanded)
- LVIII. **Algorithms to compute CM- and S-estimates for regression**
ARSLAN O., Edlund O., Ekblom H.
METRIKA, vol.55, no.1-2, pp.37-51, 2002 (SCI-Expanded)
- LIX. **Robust Liu estimator for regression based on an M-estimator**
ARSLAN O., Billor N.
JOURNAL OF APPLIED STATISTICS, vol.27, no.1, pp.39-47, 2000 (SCI-Expanded)
- LX. **A note on the maximum likelihood estimators for the location and scatter parameters of a multivariate Cauchy distribution**
ARSLAN O., Kent J.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.27, no.12, pp.3007-3014, 1998 (SCI-Expanded)
- LXI. **CONVERGENCE BEHAVIOR OF THE EM ALGORITHM FOR THE MULTIVARIATE T-DISTRIBUTION**
ARSLAN O., CONSTABLE P., KENT J.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.24, no.12, pp.2981-3000, 1995 (SCI-Expanded)
- LXII. **DOMAINS OF CONVERGENCE FOR THE EM ALGORITHM - A CAUTIONARY TALE IN A LOCATION ESTIMATION PROBLEM**
ARSLAN O., CONSTABLE P., KENT J.
STATISTICS AND COMPUTING, vol.3, no.3, pp.103-108, 1993 (SCI-Expanded)

Articles Published in Other Journals

- I. **Matrix variate skew laplace distribution**
Bulut Y. M., Arslan O.
SIGMAE, vol.42, no.3, pp.854-861, 2024 (ESCI)
- II. **Alternative skew Laplace scale mixtures for modeling data exhibiting high-peaked and heavy-tailed traits**

Otto A. F., Bekker A., Ferreira J. T., Arslan O.

JAPANESE JOURNAL OF STATISTICS AND DATA SCIENCE, vol.1, no.1, pp.1-38, 2024 (ESCI)

- III. **A Comparison of Imputation Methods In CPI Calculations Used by IWGPS Organizations and Imputation Methods of robust cellwise outlier and missing data**
Şen E., ARSLAN O.
Nicel bilimler dergisi (Online), vol.5, no.2, 2023 (Peer-Reviewed Journal)
- IV. **A study on using robust hedonic regression implementation**
Goren S. C., Arslan O.
Communications Faculty of Sciences University of Ankara Series A1: Mathematics and Statistics, vol.72, no.2, pp.551-562, 2023 (Peer-Reviewed Journal)
- V. **An analysis to identify the structural breaks of Covid-19 in Turkey**
GÜNEY Y., TUAÇ Y., ÖZDEMİR Ş., GÖKALP YAVUZ F., ARSLAN O.
JOURNAL OF STATISTICS AND MANAGEMENT SYSTEMS, vol.25, no.8, pp.1971-1989, 2022 (ESCI)
- VI. **The Clustering Structure of the COVID-19 Outbreak in Global Scale**
GÖKALP YAVUZ F., GÜNEY Y., ÖZDEMİR Ş., TUAÇ Y., ARSLAN O.
ADVANCES IN DATA SCIENCE AND ADAPTIVE ANALYSIS, vol.14, no.01N02, 2022 (ESCI)
- VII. **Alternative robust estimators for parameters of the linear regression model**
ALTUNTAŞ M., ÇANKAYA E., ARSLAN O.
Eskişehir Teknik Üniversitesi Bilim ve Teknoloji Dergisi b- Teorik Bilimler, vol.10, no.1, pp.35-58, 2022 (Peer-Reviewed Journal)
- VIII. **Alpha Power Lomax Distribution: Properties and Application**
BULUT Y. M., Dogru F. Z., ARSLAN O.
JOURNAL OF RELIABILITY AND STATISTICAL STUDIES, vol.14, no.1, pp.17-31, 2021 (ESCI)
- IX. **ROBUST BAYESIAN REGRESSION ANALYSIS USING RAMSAY-NOVICK DISTRIBUTED ERRORS WITH STUDENT-T PRIOR**
Kaya M., ÇANKAYA E., ARSLAN O.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.602-618, 2019 (ESCI)
- X. **MAXIMUM LQ-LIKELIHOOD ESTIMATION FOR THE PARAMETERS OF MARSHALL-OLKIN EXTENDED BURR XII DISTRIBUTION**
ÖZDEMİR Ş., GÜNEY Y., TUAÇ Y., ARSLAN O.
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- XI. **Robust Mixture Regression Based on the Skew tDistribution**
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- XII. **ROBUST PARAMETER ESTIMATION FOR THE MARSHALL-OLKIN EXTENDED BURR XII DISTRIBUTION**
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- XIII. **Finite Mixtures of Matrix Variate t Distributions**
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- XIV. **Alternative Robust Estimators for the Shape Parameters of the Burr XII Distribution**
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- XV. **Alpha Skew Generalized t Distribution**
ACITAŞ Ş., ŞENOĞLU B., ARSLAN O.
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- XVI. **Estimation and Testing in One Way ANOVA when the Errors are Skew Normal**

ÇELİK N., ŞENOĞLU B., ARSLAN O.

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XVII. **Robust Ridge Estimation based on the GM estimators**

ARSLAN O., BİLLOR N.

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XVIII. **Robustness asymptotic and computational properties of the tM estimators**

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XIX. **An examination of random coefficient regression models and an application from zootechny**

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I. **Robust Multivariate Modelling for Heterogeneous Data Sets with Mixtures of Multivariate Skew Laplace Normal Distributions**

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III. **Variable Selection in Heteroscedastic Regression Models Under General Skew-t Distributional Models Using Information Complexity**

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IV. **Averaged Autoregression Quantiles in Autoregressive Model**

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V. **Robust Mixture Regression Using Mixture of Different Distributions**

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VI. **Algorithms to Compute CM and S Estimates for Regression**

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VII. **A simple Test to Identify Good Solutions of Redescending M Estimating Equations for Regression**

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in: Developments in Robust Statistics, R. Dutter, P. Filzmoser, U. Gather, P.J. Rousseeuw, Editor, Physica-Verlag (Springer), New York, pp.50-61, 2003

Refereed Congress / Symposium Publications in Proceedings

I. **Robust parameter estimation and variable selection in regression models when heteroscedasticity and skewness are present**

Güney Y., Arslan O.

CMStatistics, Berlin, Germany, 15 - 18 December 2023, pp.1-2

- II. **Variable Selection in Restricted Regression Models**
 Tuaç Y., Arslan O.
 "Olomoucian Days of Applied Mathematics 2023" (ODAM), Olomouc, Czech Republic, 12 - 14 June 2023, pp.73
- III. **Parameter estimation of the partially linear models with skew heavy-tailed error distributions**
 Arslan O., Dođru F. Z.
 15th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2022) , London, England, 17 - 19 December 2022, pp.99-100
- IV. **Variable selection in robust heteroscedastic models with autoregressive covariance structures using EM-type algorithm**
 Güney Y., Gökalg Yavuz F., Arslan O.
 15th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2022), London, England, 17 - 19 December 2022, pp.100
- V. **Joint modeling of mean and scale covariance using empirical likelihood**
 Özdemir Ş., Güney Y., Arslan O.
 15th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2022), London, England, 17 - 19 December 2022, pp.100
- VI. **Robust modeling of multivariate heterogeneous datasets using a tractable multivariate skew heavy-tailed distribution**
 Dođru F. Z., Arslan O.
 COMPSTAT 2022 , Bologna, Italy, 23 - 26 August 2022, pp.1
- VII. **Robust estimation in sparse regression models with autoregressive error terms**
 Tuaç Y., Arslan O.
 International Conference on Robust Statistics (ICORS), Ontario, Canada, 5 - 08 July 2022, pp.81
- VIII. **ASSESSMENT OF AN ITERATIVE COMPUTATION APPROACH FOR ROBUST PARAMETER ESTIMATORS BASED ON BAYESIAN REGRESSION MODEL WITH EXPONENTIAL POWER SERIES DISTRIBUTED ERROR**
 ALTUNTAŞ M., ARSLAN O.
 İSTANBUL INTERNATIONAL MODERN SCIENTIFIC RESEARCH CONGRESS, 04 June 2021
- IX. **Clustering Countries with COVID19 Dataset**
 GÖKALP YAVUZ F., GÜNEY Y., ÖZDEMİR Ş., TUAÇ Y., ARSLAN O.
 6th International Medicine Health Sciences Congress(IMedHSC) 2020, 27 - 29 December 2020
- X. **Logistic Growth Modeling of the Turkish COVID-19 Data.**
 Özdemir Ş., Güney Y., Tuaç Y., Gökalg Yavuz F., Arslan O.
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- XI. **Modeling Turkish COVID-19 Data Using ARIMA Model**
 Dalkılıç H., Köprü A. A., GÜNEY Y., TUAÇ Y., ÖZDEMİR Ş., GÖKALP YAVUZ F., ARSLAN O.
 III. INTERNATIONAL CONFERENCE ON COVID-19 STUDIES, Ankara, Turkey, 25 - 27 December 2020, vol.1
- XII. **Linear and Nonlinear Regression with Autoregressive Errors: Application to Covid-19 Contagion in Turkey**
 Güney Y., Tuaç Y., Özdemir Ş., Arslan O., Gökalg Yavuz F.
 6th International Medicine & Health Sciences Congress., Ankara, Turkey, 25 - 27 December 2020, pp.1
- XIII. **Averaged Autoregression Quantiles in Autoregressive Model**
 GÜNEY Y., Jurečková J., ARSLAN O.
 3rd Workshop on Analytical Methods in Statistics, AMISTAT 2019, Liberec, Czech Republic, 16 - 19 September 2019, vol.329, pp.1-15
- XIV. **Robust Model Selection in Regression Model Using Information Complexity**
 GÜNEY Y., Bozdogan H., ARSLAN O.
 Analytical Methods in Statistics (AMISTAT) 2019, Liberec, Czech Republic, 16 - 19 September 2019
- XV. **Robust estimation and variable selection in joint location and scale model using least favorable distribution.**

- GÜNEY Y., TUAÇ Y., ÖZDEMİR Ş., ARSLAN O.
23rd International Conference on Computational Statistics (COMPSTAT 2018), 28 - 31 August 2018
- XVI. **Vector autoregressive models with multivariate skew innovations**
TUAÇ Y., GÜNEY Y., ÖZDEMİR Ş., ARSLAN O.
23rd International Conference on Computational Statistics (COMPSTAT 2018), 28 - 31 August 2018
- XVII. **Robust estimation and variable selection for regression models using empirical likelihood and LASSO methods**
ÖZDEMİR Ş., GÜNEY Y., TUAÇ Y., ARSLAN O.
23rd International Conference on Computational Statistics (COMPSTAT 2018), 28 - 31 August 2018
- XVIII. **from univariate to matrix varte t-distribution**
ARSLAN O., DOĞRU F. Z., BULUT Y. M.
9th international workshop on applied probability, 18 - 21 June 2018
- XIX. **Empirical likelihood estimation for linear regression model using MM estimation method**
ÖZDEMİR Ş., ARSLAN O.
4-th International Researchers, Statisticians and Young Statisticians Congress, 28 - 30 April 2018
- XX. **Variable Selection in the presence of cellwise and casewise outliers**
TOKA O., ÇETİN M., ARSLAN O.
4th International Researchers, Statisticians and Young Statisticians Congress(IRSYS2018), 28 - 30 April 2018
- XXI. **Parameter Estimation of The Autoregressive Models with Skew Distributed Innovations Using EM Algorithm.**
TUAÇ Y., ARSLAN O.
4th International Researchers, Statisticians and Young Statisticians Congress, 28 - 30 April 2018
- XXII. **Model Selection in Joint Location Scale and Skewness Models of Skew-t Distribution Using Information Complexity**
GÜNEY Y., ARSLAN O., Bozdogan H.
4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Turkey, 28 - 30 April 2018
- XXIII. **Robustness Properties for Maximum Likelihood Estimators of Parameters in Exponential Power and Generalized t Distributions**
ÇANKAYA M. N., ARSLAN O.
International 10th Statistics Congress (ISC2017 - ISTKON10), 6 - 08 December 2017
- XXIV. **Robust mixture multivariate regression model based on multivariate skew Laplace distribution**
BULUT Y. M., DOĞRU F. Z., ARSLAN O.
İSTKON10, Ankara, Turkey, 6 - 08 December 2017
- XXV. **Joint modelling of location, scale and skewness parameters of the skew Laplace distribution**
DOĞRU F. Z., ARSLAN O.
10th International Statistics Congress (ISC2017), 6 - 08 December 2017
- XXVI. **Some Properties of Epsilon Skew Burr III Distribution**
ÇANKAYA M. N., YALÇINKAYA A., ALTINDAĞ Ö., ARSLAN O.
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- XXVII. **Empirical Likelihood Estimation of Linear Regression Model with Robust Constraint**
ÖZDEMİR Ş., ARSLAN O.
18. ULUSLARARASI EKONOMETRİ, YÖNEYLEM ARAŞTIRMASI VE İSTATİSTİK SEMPOZYUMU, 5 - 07 October 2017
- XXVIII. **Joint modelling of location and scale parameters of the skew laplace normal distribution**
DOĞRU F. Z., ARSLAN O.
18. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 5 - 07 October 2017
- XXIX. **Robust Bayesian Penalized Regression Estimation Based on Ramsay-Novick Distribution**
KAYA M., ÇANKAYA E., ARSLAN O.
31st European Meeting of Statisticians (EMS), Norway, 24 - 28 July 2017
- XXX. **Robust variable selection in restricted linear regression model**
TOKA O., TUAÇ Y., ÇETİN M., ARSLAN O.
European Meeting of Statisticians, 24 - 28 July 2017

- XXXI. **Empirical likelihood estimation for linear regression models with AR(p) error terms**
ÖZDEMİR Ş., GÜNEY Y., TUAÇ Y., ARSLAN O.
31st EMS (The European Meeting of Statisticians), Helsinki, Finland, 24 - 28 July 2017
- XXXII. **Maximum Lq-likelihood estimation for autoregressive error term regression model**
GÜNEY Y., TUAÇ Y., ÖZDEMİR Ş., ARSLAN O.
31st EMS (The European Meeting of Statisticians), Helsinki, Finland, 24 - 28 July 2017
- XXXIII. **Robust variable selection in an autoregressive error term regression model**
TUAÇ Y., GÜNEY Y., ÖZDEMİR Ş., ARSLAN O.
31st EMS (The European Meeting of Statisticians), Helsinki, Finland, 24 - 28 July 2017
- XXXIV. **Maximum Lq-likelihood estimation for the parameters of multivariate t-distribution**
ARSLAN O., BULUT Y. M., DOĞRU F. Z.
ICORS2017, Wollongong, Australia, 3 - 07 July 2017
- XXXV. **Maximum Lq likelihood estimation for the parameters of multivariate t-distribution**
ARSLAN O., BULUT Y. M., DOĞRU F. Z.
International conference on robust statistics (ICORS 2017), 3 - 07 July 2017
- XXXVI. **Robust mixture regression modeling based on the Generalized M (GM)-estimation method**
DOĞRU F. Z., ARSLAN O.
3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2017), 24 - 26 May 2017
- XXXVII. **Robust Bayesian Estimation in Regression using Ramsay-Novick Distribution**
KAYA M., ÇANKAYA E., ARSLAN O.
3rd International Researchers, Statisticians and Young Statisticians Congress, 24 - 26 May 2017
- XXXVIII. **A Unified Approach to Some Multivariate Skew Distributions**
ARSLAN O.
IRSYSC 2017 – 3RD INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, 24 - 26 May 2017
- XXXIX. **Alpha power Lomax distribution: properties and applications**
BULUT Y. M., DOĞRU F. Z., ARSLAN O.
3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC-2017), Konya, Turkey, 24 - 26 May 2017
- XL. **Optimal B-robust estimators for the parameters of the MOEBXII distribution**
GÜNEY Y., ÖZDEMİR Ş., TUAÇ Y., ARSLAN O.
3RD International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017
- XLI. **Maximum Lq-Likelihood Estimation for the Marshall-Olkin Extended Burr XII Distribution**
ÖZDEMİR Ş., TUAÇ Y., GÜNEY Y., ARSLAN O.
3RD International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017
- XLII. **Parameter estimation for skew normal distribution via the maximum Lq-likelihood estimation**
TUAÇ Y., GÜNEY Y., ÖZDEMİR Ş., ARSLAN O.
3RD International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017
- XLIII. **Robust Bayesian estimation using Ramsay-Novick Distribution**
KAYA M., ÇANKAYA E., ARSLAN O.
3rd International Researchers, Statisticians and young statisticians congress, 24 - 26 May 2017
- XLIV. **Linear Mixed Models and Data Science Investigations**
GÖKALP YAVUZ F., WARD M. D., ARSLAN O.
Purdue International Scholar Research Symposium, West Lafayette, United States Of America, 08 March 2017
- XLV. **A unified approach to some multivariate skew distributions**
ARSLAN O.
Second International Conference to statistical distribution and applications, 14 - 16 October 2016
- XLVI. **Robust mixture regression modelling using the least trimmed squared LTS estimation methods**
DOĞRU F. Z., ARSLAN O.
Xth International statistics days conference, 7 - 09 October 2016
- XLVII. **Robust Bayesian Linear regression modeling using student t distribution**

KAYA M., ÇANKAYA E., ARSLAN O.

Xth International statistics days conference, 7 - 09 October 2016

XLVIII. Finite mixtures of multivariate skew Laplace distributions

DOĞRU F. Z., BULUT Y. M., ARSLAN O.

International conference on trends and perspectives in linear statistical inference, 22 - 25 August 2016

XLIX. Adaptive robust estimators to Iterative Parameter estimation and model selection in linear mixed models

GÖKALP YAVUZ F., ARSLAN O.

International conference on robust statistics (ICORS 2016), 4 - 08 July 2016

L. Variable selection in restricted linear models

TUAÇ Y., ARSLAN O.

International conference on information complexity and statistical modelling in high dimensions with applications, 18 May - 21 June 2016

LI. Epsilon Skew Extension Of The Burr Type III Distribution

YALÇINKAYA A., ÇANKAYA M. N., ALTINDAĞ Ö., ARSLAN O.

International Conference on Information Complexity and Statistical Modelling in High Dimensions with Applications (IC-SMHD 2016), Nevşehir, Turkey, 18 - 21 May 2016

LII. Indicators For Disaster Risk and Risk Management for Turkey

ARSLAN O., TUAÇ Y.

World Hummenitarian Summit, 23 - 24 May 2016

LIII. Variable Selection in Restricted Linear Regression Models

TUAÇ Y., ARSLAN O.

International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications, 18 - 21 May 2016

LIV. mixture regression modelling based on skew Laplace normal distribution

DOĞRU F. Z., ARSLAN O.

International conference on information complexity and statistical modelling in high dimensions with applications, 18 - 21 May 2016

LV. Model selection in robust linear mixed models

GÖKALP YAVUZ F., ARSLAN O.

International conference on information complexity and statistical modelling in high dimensions with applications, 18 - 21 May 2016

LVI. Matrix variate skew Laplace Distribution

BULUT Y. M., ARSLAN O.

International conference on information complexity and statistical modelling in high dimensions with applications, 18 - 21 May 2016

LVII. Variable selection in single index models using information complexity criterion

GÜNEY Y., ARSLAN O.

International conference on information complexity and statistical modelling in high dimensions with applications, 18 - 21 May 2016

LVIII. VARIABLE SELECTION IN EMPIRICAL LIKELIHOOD BASED REGRESSION WITH INFORMATION COMPLEXITY ICOMP

ÖZDEMİR Ş., GÜNEY Y., ARSLAN O.

International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016), 18 - 20 May 2016

LIX. M estimation method based on assymetric objective function

ÇANKAYA M. N., ARSLAN O.

International conference on information complexity and statistical modelling in high dimensions with applications, 18 - 21 May 2016

LX. Variable selection in Empirical likelihood based regression with information complexity

ÖZDEMİR Ş., GÜNEY Y., ARSLAN O.

International conference on information complexity and statistical modelling in high dimensions with applications,
18 - 21 May 2016

- LXI. **robust regression methods with prior information restricted robust regression methods**
TOKA O., ÇETİN M., ARSLAN O.
International conference on information complexity and statistical modelling in high dimensions with applications,
18 - 21 May 2016
- LXII. **Epsilon skew extension of the Burr III distribution**
YALÇINKAYA A., ÇANKAYA M. N., ALTINDAĞ Ö., ARSLAN O.
International conference on information complexity and statistical modelling in high dimensions with applications,
18 - 21 May 2016
- LXIII. **VARIABLE SELECTION IN SINGLE INDEX MODELS USING INFORMATION COMPLEXITY ICOMP CRITERION**
GÜNEY Y., Bozdogan H., ARSLAN O.
International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016), 18 - 20 May 2016
- LXIV. **Optimal score function of power distribution**
ÇANKAYA M. N., ARSLAN O.
International conference on information complexity and statistical modelling in high dimensions with applications,
18 - 21 May 2016
- LXV. **Mixture of Skew Laplace Normal Distributions**
DOĞRU F. Z., ARSLAN O.
2nd International Researchers Statisticians and Yang Statisticians Congress, 4 - 08 May 2016
- LXVI. **Alternative robust estimators for the shape parameters of the Burr XII distribution**
DOĞRU F. Z., ARSLAN O.
17 th International Conference on Mathematical, Statistical and Computational Sciences, France, 30 December - 31 July 2015
- LXVII. **Estimation in linear mixed models with laplace distributed random effects**
GÖKALP F., ARSLAN O.
European Meetings of Statisticians, 6 - 10 July 2015
- LXVIII. **Model Selection in Linear Regression Models with Skew Normal Distributed Errors Using ICOMP**
GÜNEY Y., ARSLAN O., BOZDOĞAN H.
European Meeting of Statisticians (EMS 2015), Amsterdam, Netherlands, 6 - 10 July 2015
- LXIX. **Variable Selection in Regression Models with AR p Error Terms Based on Skew Distributions**
TUAÇ Y., GÜNEY Y., ARSLAN O.
European Meeting of Statisticians (EMS 2015), Amsterdam, Netherlands, 6 - 10 July 2015
- LXX. **Robust mixture regression based on the mixture of different distributions**
DOĞRU F. Z., ARSLAN O.
International Conference on Robust Statistics (ICORS 15), 12 - 16 January 2015
- LXXI. **Robust Estimation for the Parameters of the Distributed Lag Models Based on Heavy Tailed Skew Distributions**
ÇANKAYA M. N., TUAÇ Y., ARSLAN O.
International Conference on Robust Statistics, 10 - 15 August 2014
- LXXII. **Robust Estimation for the Parameter of the Zipfian Distribution Properties and Applications**
GÜNEY Y., TUAÇ Y., ARSLAN O.
International Conference on Robust Statistics ICORS, Halle/Saale, Germany, 10 - 15 August 2014
- LXXIII. **Analysis of Regression Models with AR(1) Error Terms Based on Skew Distributions Parameter Estimation**
TUAÇ Y., ARSLAN O.
International Conference on Robust Statistics, 10 - 14 May 2014
- LXXIV. **Marshall Olkin Distribution Parameter Estimation and Applications**
GÜNEY Y., TUAÇ Y., ARSLAN O.

9th International Statistics Day Symposium ISDS' 2014, Antalya, Turkey, 10 - 14 May 2014

- LXXV. **Robust .estimators for the distributed lag model based on t and skew t distributions**
TUAÇ Y., ARSLAN O., ÇANKAYA M. N.
Uluslararası 8. İstatistik Kongresi, 27 - 30 October 2013
- LXXVI. **Gecikmesi Dağıtılmış Modellerde Parametreler için Dayanıklı Tahmin Ediciler**
ÇANKAYA M. N., ARSLAN O., TUAÇ Y.
GIS2013 Genç İstatistikçiler Sempozyumu, Turkey, 10 - 11 September 2013
- LXXVII. **Algorithms to compute CM- and S-estimates for regression**
ARSLAN O., Edlund O., Ekblom H.
International Conference on Robust Statistics (ICOR 2001), Voru, Estonia, 23 - 27 July 2001, pp.62-76
- LXXVIII. **A simple test to identify good solutions of redescending M estimating equations for regression**
ARSLAN O.
International Conference on Robust Statistics (ICOR 2001), Voru, Estonia, 23 - 27 July 2001, pp.50-61

Supported Projects

Arslan O., Güney Y., Gökalp Yavuz F., Tuuç Y., Project Supported by Other Official Institutions, Afetlerin Ekonomik Etkilerinin (Endeks Bazlı) Modellenmesi (AFAD), 2020 - 2022

Arslan O., Güney Y., Tuuç Y., Gökalp Yavuz F., Özdemir Ş., TUBITAK Project, COVID 19 Türkiye Verilerinin İstatistiksel Modellemesi ve Olası Risk İndeksinin Geliştirilmesi, 2020 - 2020

Arslan O., Güney Y., Tuuç Y., Gökalp Yavuz F., Özdemir Ş., Project Supported by Higher Education Institutions, Statistical Modeling of Turkey COVID-19 Data, 2020 - 2020

Arslan O., TUBITAK Project, TÜRKİYE AFET RİSK YÖNETİM SİSTEMİ PROJESİ TAFRİSK, 2014 - 2015

Activities in Scientific Journals

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, Committee Member, 2019 - Continues

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Committee Member, 2019 - Continues

Scientific Refereeing

ASTA ADVANCES IN STATISTICAL ANALYSIS, Journal Indexed in SCI-E, December 2023

JOURNAL OF APPLIED STATISTICS, Journal Indexed in SCI-E, December 2023

STATISTICAL PAPERS, Journal Indexed in SCI-E, November 2023

JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, November 2023

CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS, Journal Indexed in SCI-E, October 2023

JOURNAL OF SYSTEMS SCIENCE AND COMPLEXITY, SCI Journal, August 2023

JOURNAL OF MULTIVARIATE ANALYSIS AN INTERNATIONAL JOURNAL, Journal Indexed in SCI-E, July 2023

ADVANCES IN DATA ANALYSIS AND CLASSIFICATION, Journal Indexed in SCI-E, July 2023

JOURNAL OF APPLIED STATISTICS, SCI Journal, November 2022

JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, Journal Indexed in SCI-E, October 2022

STATISTICS, SCI Journal, April 2022

JOURNAL OF APPLIED STATISTICS, Journal Indexed in SCI-E, April 2022

JOURNAL OF APPLIED STATISTICS, Journal Indexed in SCI-E, April 2022

Journal of Statistical Distributions and Applications, Other journals, May 2019

Scientific Consultations

TÜBİTAK AFAD, Project Consultancy, Ankara University, Fen Fakültesi, İstatistik Bölümü, Turkey, 2014 - 2015

Tasks In Event Organizations

Arslan O., Pamukçu E., Güney Y., Tuuç Y., Bulut Y. M., Doğru F. Z., Çankaya M. N., International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016), Scientific Congress, Nevşehir, Turkey, Mayıs 2016

Arslan O., International Conference on Robust Statistics 2008, Scientific Congress, Turkey, Eylül 2008

Metrics

Publication: 170

Citation (WoS): 498

Citation (Scopus): 496

H-Index (WoS): 14

H-Index (Scopus): 14

Congress and Symposium Activities

International Conference on Robust Statistics (ICORS), Panelists, Virginia, United States Of America, 2024

16th International Conference of the ERCIM WG on Computational and Methodological Statistics, Moderator, Berlin, Germany, 2023

16th International Conference of the ERCIM WG on Computational and Methodological Statistics, Invited Speaker, Berlin, Germany, 2023

16th International Conference of the ERCIM WG on Computational and Methodological Statistics, Session Moderator, Berlin, Germany, 2023

15th International Conference of the ERCIM WG on Computational and Methodological Statistics, Moderator, London, England, 2022

15th International Conference of the ERCIM WG on Computational and Methodological Statistics, Session Moderator, London, England, 2022

15th International Conference of the ERCIM WG on Computational and Methodological Statistics, Invited Speaker, London, England, 2022

24th International Conference on Computational Statistics (COMPSTAT 2022), Invited Speaker, Bologna, Italy, 2022

Scholarships

Araştırma Bursu, University, 1998 - 1999

Doktora sonrası araştırma bursu, TÜBİTAK, 1997 - 1998

YÖK Doktora Bursu , YOK, 1989 - 1993