

Res. Asst. PhD MELEK ERİŞ BÜYÜKKAYA

Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2019 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, Turkey 2016 - 2019

Doctorate, Sakarya University, Institute Of Science, Turkey 2015 - 2019

Postgraduate, Sakarya University, Institute Of Science, Uygulamalı Matematik, Turkey 2013 - 2015

Undergraduate, Sakarya University, Fen Edebiyat Fakültesi, Matematik, Turkey 2009 - 2013

Associate Degree, Anadolu University, Open Education Faculty, Department Of Foreign Trade, Turkey 2010 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Tehlike modellerine göre sistemlerin ve bileşenlerinin bulanık güvenilirliği, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2019

Doctorate, Genel lineer rasgele etki modelleri altında ön tahmin edicilerin kovaryans matris karşılaştırması, Sakarya University, Institute Of Science, 2019

Postgraduate, Parçalanmış Lineer Modeller Altında Parametrelerin En iyi Lineer Yansız Tahminlerinde Parçalanmış Matris Tersi Yöntemi, Sakarya University, Fen Bilimleri Enstitüsü, Matematik, 2015

Research Areas

Mathematics, Statistics, Natural Sciences

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, 2015 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- Some remarks on comparison of predictors in seemingly unrelated linear mixed models**
Güler N., Eriş Büyükkaya M.
Applications Of Mathematics, pp.1-18, 2021 (Journal Indexed in SCI Expanded)

- II. **Inertia and rank approach in transformed linear mixed models for comparison of BLUPs**
Guler N., Buyukkaya M. E.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, 2021 (Journal Indexed in SCI)
- III. **Comparison of Covariance Matrices of Predictors in Seemingly Unrelated Regression Models**
Güler N., Eriş Büyükkaya M., Yiğit M.
Indian Journal of Pure and Applied Mathematics, 2021 (Journal Indexed in SCI)
- IV. **Notes on Comparison of Covariance Matrices of BLUPs Under Linear Random-Effects Model with Its Two Subsample Models**
Guler N., Eriş Büyükkaya M.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.43, pp.2993-3002, 2019
(Journal Indexed in SCI)
- V. **Rank and inertia formulas for covariance matrices of BLUPs in general linear mixed models**
Güler N., Eriş Büyükkaya M.
Communications in Statistics - Theory and Methods, 2019 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Some Remarks on the Equalities of Predictors in Linear Mixed Models**
Yiğit M., Güler N., Eriş Büyükkaya M.
Mathematical Sciences and Applications E-Notes, vol.9, no.4, pp.185-193, 2021 (Other Refereed National Journals)
- II. **Rank Approach for Equality Relations of BLUPs in Linear Mixed Model and its Transformed Model**
Eriş Büyükkaya M., Güler N., Yiğit M.
Fundamental journal of mathematics and applications (Online), vol.4, no.3, pp.143-149, 2021 (Other Refereed National Journals)
- III. **Üçgensel Müdahaleli Yarı-Markov (s,S) Tipli Modellerin Momentleri İçin Tahmin Ediciler**
ERİŞ BÜYÜKKAYA M., BEKTAŞ KAMIŞLIK A., KESEMEN T.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, no.2, pp.430-441, 2018 (Refereed Journals of Other Institutions)
- IV. **Estimation of subparameters by IPM method**
ERİŞ M., GÜLER N.
SAÜ Fen Bilimleri Dergisi, vol.20, no.2, pp.259-264, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Comparison for Covariance Matrices of Predictors in General Linear Mixed Model**
ERİŞ BÜYÜKKAYA M., GÜLER N.
INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS (ICRAPAM2019),
12 - 15 June 2019, pp.29
- II. **Bazı rank ve inertia formülleri ile lineer karma modellerde tahminlerin kovaryans matrislerinin karşılaştırılması**
GÜLER N., ERİŞ BÜYÜKKAYA M.
2. Uluslararası İstatistik, Matematik ve Analitik yöntemler kongresi, 28 March 2019
- III. **On The Estimator of Semi-Markovian Inventory Model with Subexponential Component**
ERİŞ BÜYÜKKAYA M., BEKTAŞ KAMIŞLIK A., KESEMEN T., HANALİOĞLU T.
INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS (ICRAPAM2018),
23 - 27 July 2018, pp.56-57
- IV. **A New Estimator for Ergodic Distribution of a Semi-Markovian Renewal Reward Process when Demand Distributions Belongs to the L_{∞} Subclass of Heavy Tailed Distributions**
BEKTAŞ KAMIŞLIK A., ERİŞ BÜYÜKKAYA M., KESEMEN T.

International Conference on Mathematics and Mathematics Education(ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.751-752

V. Some Equalities For Covariance Matrices Of BLUPs Under General Linear Mixed Model

ERİŞ BÜYÜKKAYA M., GÜLER N.

International Conference on Mathematics and Mathematics Education (ICMME-2018), 27 June 2018

Tasks In Event Organizations

Eriş Büyükkaya M., 8 th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2021), Scientific Congress, Muğla, Turkey, Eylül 2021

Eriş Büyükkaya M., 7 th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2020), Scientific Congress, Muğla, Turkey, Eylül 2020

Eriş Büyükkaya M., 6 th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2019), Scientific Congress, Turkey, Haziran 2019

Eriş Büyükkaya M., 5 th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2018), Scientific Congress, Trabzon, Turkey, Temmuz 2018

Edit Congress and Symposium Activities

5th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2018), Attendee, Trabzon, Turkey, 2018

International Conference on Mathematics and Mathematics Education (ICMME-2018), Attendee, Ordu, Turkey, 2018

3th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), Attendee, Muğla, Turkey, 2016

13. Matematik Sempozyumu (MATDER), Attendee, Karabük, Turkey, 2014

Citations

Total Citations (WOS):4

h-index (WOS):1

Scholarships

2211-A Genel Yurt İçi Doktora Burs Programı, TÜBİTAK, 2015 - 2019

Awards

Eriş Büyükkaya M., Sakarya Üniversitesi Matematik Bölüm Birinciliği, Sakarya Üniversitesi, June 2013