

Assoc. Prof. Kadri Ulaş AKAY

Personal Information

Office Phone: [+90 212 455 5700](tel:+902124555700) Extension: 15312

Fax Phone: [+90 212 519 0834](tel:+902125190834)

Email: kulas@istanbul.edu.tr

Web: <https://avesis.istanbul.edu.tr/kulas>

Education Information

Doctorate, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Turkey 2003 - 2007

Post Graduate, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Turkey 2000 - 2003

Under Graduate, İstanbul Üniversitesi, Faculty of Science, Matematik, Turkey 1996 - 2000

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Genelleştirilmiş Lineer Modeller Yardımıyla Karma Denemelerin Analizi, Marmara University, Fen Bilimleri Enstitüsü, Matematik-Uygulamalı Matematik, 2007

Post Graduate, Karma Denemelerde Tasarımların ve Modellerin Karşılaştırılması, Marmara University, Fen Bilimleri Enstitüsü, Matematik-Uygulamalı Matematik, 2003

Research Areas

Mathematics, Statistics, Probability Theory, Stochastic Processes, Natural Sciences

Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2015 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2008 - 2015

Research Assistant, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2001 - 2008

Courses

Matematik İstatistik, Under Graduate, 2013 - 2014

Advising Theses

AKAY K. U. , Bazı Yanlı Tahmin Edicilerde Yanlılık Parametresinin Tahmin Edilmesi, Post Graduate, F.Sevinç(Student),

2011

AKAY K. U. , Lineer Olmayan Regresyon Modellerinde Çoklu İç ilişki Problemi, Post Graduate, A.Erkoç(Student), 2011

AKAY K. U. , Genelleştirilmiş Lineer Modellerde Model Seçimi Üzerine Alternatif Bir Yaklaşım, Post Graduate, Ö.Korucu(Student), 2010

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

- I. **A new Liu-type estimator in binary logistic regression models**
Ertan E., Akay K. U.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, 2020 (Journal Indexed in SCI)
- II. **Seafood safety at home: Knowledge and practices**
Mol S., Akay K. U. , Guney G. C.
INTERNATIONAL JOURNAL OF GASTRONOMY AND FOOD SCIENCE, vol.13, pp.95-100, 2018 (Journal Indexed in SCI)
- III. **Seafood safety at home: Knowledge and practices**
Mol Tokay S., Akay K. U. , Çelebi Güney G.
INTERNATIONAL JOURNAL OF GASTRONOMY AND FOOD SCIENCE, vol.13, pp.95-100, 2018 (Journal Indexed in SCI Expanded)
- IV. **Matrix mean squared error comparisons of some biased estimators with two biasing parameters**
KURNAZ F. S. , Akay K. U.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.47, no.8, pp.2022-2035, 2018 (Journal Indexed in SCI)
- V. **A new Liu-type estimator**
KURNAZ F. S. , Akay K. U.
STATISTICAL PAPERS, vol.56, no.2, pp.495-517, 2015 (Journal Indexed in SCI)
- VI. **A graphical evaluation of logistic ridge estimator in mixture experiments**
Akay K. U.
JOURNAL OF APPLIED STATISTICS, vol.41, no.6, pp.1217-1232, 2014 (Journal Indexed in SCI)
- VII. **Graphical Evaluation of the Ridge-Type Robust Regression Estimators in Mixture Experiments**
Erkoç A., Emiroglu E., Akay K. U.
SCIENTIFIC WORLD JOURNAL, 2014 (Journal Indexed in SCI)
- VIII. **Alternative modeling techniques for the quantal response data in mixture experiments**
Akay K. U. , TEZ M.
JOURNAL OF APPLIED STATISTICS, vol.38, pp.2597-2616, 2011 (Journal Indexed in SCI)
- IX. **Optimization of chemical admixture for concrete on mortar performance tests using mixture experiments**
Akalm O., Akay K. U. , SENNAROĞLU B., TEZ M.
CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS, vol.104, no.2, pp.233-242, 2010 (Journal Indexed in SCI)
- X. **Self-Consolidating High-Strength Concrete Optimization by Mixture Design Method**
Akalm O., Akay K. U. , SENNAROĞLU B.
ACI MATERIALS JOURNAL, vol.107, no.4, pp.357-364, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **On Multicollinearity in Nonlinear Regression Models**
Erkoç A., Tez M., AKAY K. U.
SELÇUK JOURNAL OF APPLIED MATHEMATICS, vol.1, pp.65-72, 2010 (National Refreed University Journal)
- II. **On the Determination of Best Models in Mixture Experiments**

AKAY K. U.

Sakarya Üniversitesi Fen Bilimleri Dergisi, vol.11, no.1, pp.15-20, 2007 (National Refereed University Journal)

III. **A note on model selection in mixture experiments**

AKAY K. U.

Journal of Mathematics and Statistics, vol.3, no.3, pp.93-99, 2007 (Refereed Journals of Other Institutions)

IV. **Analyzing Mixture Experiments via Generalized Linear Models**

AKAY K. U. , Tez M.

Int. Journal of Pure and Applied Mathematics, vol.36, pp.373-390, 2007 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. **A new kind of biased estimator for linear regression models**

Ertan E., Akay K. U.

4 th INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES ICMS 2020, İstanbul, Turkey, 17 - 21 June 2020, pp.122

II. **An extended Liu-type estimator for the Inverse Gaussian Regression Model**

Ertan E., Tez M., Akay K. U.

4 th INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES ICMS 2020 , İstanbul, Turkey, 17 - 21 June 2020, pp.121

III. **Improved New Liu-Type Estimator for Poisson Regression Models**

Ertan E., Giresunlu İ. M. , Akay K. U.

3rd INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES ICMS 2019 , İstanbul, Turkey, 4 - 08 September 2019, pp.187

IV. **Türk tüketicisinin su ürünlerinin mikrobiyel güvenliği ile ilgili mutfak alışkanlıkları**

MOL TOKAY S., AKAY K. U. , Çelebi G.

5. Gıda Güvenliği Kongresi, İstanbul, Turkey, 7 - 08 May 2015, pp.17

V. **An alternative approach to solve the LAD-LASSO problem**

Ertan E., Akay K. U.

International Conference on Trends and Perspectives in Linear Statistical Inference, Linköping, Sweden, 24 - 28 August 2014, pp.40

VI. **A new Liu-type estimator**

Kurnaz F. S. , AKAY K. U.

LinStat'2012- International Conference on Trends and Perspectives in Linear Statistical Inference and 21st International Workshop on Matrices and Statistics, IWMS 2012, Poland, 1 - 04 July 2012, pp.123

VII. **A graphical evaluation of Robust Ridge Regression in mixture experiments**

Erkoç A., AKAY K. U.

LinStat'2012- International Conference on Trends and Perspectives in Linear Statistical Inference and 21st International Workshop on Matrices and Statistics, IWMS 2012, Poland, 1 - 04 July 2012, pp.96

VIII. **İki yanlılık parametresi içeren bazı yanlı tahmin edicilerin karşılaştırılması**

Kurnaz F. S. , AKAY K. U.

ICEOS-2012/ EYİ-2012 13th International Conference on Econometrics, Operations Research and Statistics, Cyprus (Kktc), 1 - 04 May 2012, pp.260

IX. **An alternative approach on model selection in Generalized Linear Models**

FAYDASIÇOK Ö., AKAY K. U.

International Conference on Trends and Perspectives in Linear Statistical Inference, LINSTAT2010, Tomar, Portugal, 27 - 31 July 2010, pp.142

X. **A simulation study for alternative estimation techniques in nonlinear models with multicollinear data**

Erkoç A., AKAY K. U.

LinStat'2010- International Conference on Trends and Perspectives in Linear Statistical Inference, Portugal, 1 - 04

July 2010, pp.113

- XI. **Graphical Methods for Evaluating some Biased Estimators in Mixture Experiments**
AKAY K. U.
LinStat'2010- International Conference on Trends and Perspectives in Linear Statistical Inference, Lithuania, 1 - 04 July 2010, pp.78
- XII. **Lineer Olmayan Modellerde Çoklu İç İlişki Problemi**
Erkoç A., TEZ M., AKAY K. U.
2.Ulusal Konya Ereğli Kemal Akman Meslek Yüksekokulu, Tebliğ Günleri, Konya, Turkey, 1 - 04 May 2010, pp.24
- XIII. **Statistical Approach to High Strength Concrete Mixture Proportioning**
Akalm Ö., AKAY K. U. , Sennaroğlu B.
Tenth ACI International Conference on Recent Advances in Concrete Technology and Sustainability Issues, Spain, 1 - 04 October 2009, pp.825-836
- XIV. **On The Confidence Intervals For Mean Response In Experiments With Mixtures**
AKAY K. U.
XIII International Conference Applied Stochastic Models and Data Analysis ASMDA 2009, Portugal, 1 - 04 June 2009, pp.4-5
- XV. **On The Multicollinearity in Nonlinear Regression**
Erkoç A., AKAY K. U. , Tez M.
XIII International Conference Applied Stochastic Models and Data Analysis ASMDA 2009, Lithuania, 1 - 04 June 2009, pp.73
- XVI. **Optimization of chemical admixture for concrete on mortar performans tests using mixture experiments**
Akalm Ö., AKAY K. U. , Sennaroğlu B.
The 20th International Conference EURO Mini Conference "Continuous Optimization and Knowledge-Based Technologies, Lithuania, 1 - 04 May 2008, pp.266-272
- XVII. **Optimization of chemical admixture for concrete on mortar performance tests using mixture experiments**
Akahn O., Akay K. U. , SENNAROĞLU B., Tez M.
20th International Conference/Euro Mini Conference on Continuous Optimization and Knowledge-Based Technologies (EuroOPT 2008), Neringa, Lithuania, 20 - 23 May 2008, pp.266-267
- XVIII. **Karma Denemelerde Hiyerarşi İlkesi**
AKAY K. U.
5. İstatistik Kongresi, Antalya, Turkey, 1 - 04 May 2007, pp.4-5
- XIX. **Karma Denemeler için Genelleştirilmiş Lineer Modeller**
AKAY K. U. , TEZ M.
5. İstatistik Günleri Sempozyumu, Antalya, Turkey, 1 - 04 May 2006, pp.373-378
- XX. **Deterjan Karma verileri için Çeşitli Karma Model Formlarının Karşılaştırılması**
AKAY K. U. , TEZ M.
4. İstatistik Kongresi, Antalya, Turkey, 1 - 04 May 2005, pp.287-292

Citations

Total Citations (WOS):43

h-index (WOS):3