

Assoc. Prof. GÜLESEN ÜSTÜNDAĞ ŞIRAY

Personal Information

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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2005 - 2011

Post Graduate, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2002 - 2005

Masters Without Thesis, Cukurova University, Fen Bilimleri Enstitüsü , Matematik Öğretmenliği, Turkey 2002 - 2003

Under Graduate, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Lineer Tahmin Edicilerin Kabul Edilebilirliği, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2011

Post Graduate, Bazı Parametrik Olmayan İstatistiksel Yöntemlerin İncelenmesi, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2005

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

Academic Titles / Tasks

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

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2013 - 2015

Research Assistant PhD, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2011 - 2013

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2007 - 2011

Professional Experience

Board Member, Cukurova University, Fen Edebiyat Fakültesi, 2017 - Continues

Deputy Head of Department, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik Bölümü, 2013 - 2014

Advising Theses

Üstündağ Şiray G., Ölçüm Hatalı Modellerde Parametre Tahmini, Post Graduate, C.İNCEKAŞ(Student), 2020

ÜSTÜNDAĞ ŞİRAY G., Diskriminant Analizi ve Bazı Alternatif Regresyon Analizleri, Post Graduate, S.SEVİNDİK(Student), 2018
ÜSTÜNDAĞ ŞİRAY G., Using Genetic Algorithms for order selection in fractional polynomials, Post Graduate, B.NDABASHINZE(Student), 2017
ÜSTÜNDAĞ ŞİRAY G., Lineer Regresyon Modellerinde Ölçüm Hataları, Post Graduate, N.TOTİK(Student), 2016

Jury Memberships

Doctorate, Doctorate, Çukurova Üniversitesi, June, 2020
Doctorate, Doctorate, Çukurova Üniversitesi, January, 2017

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

- I. **Tobit Liu estimation of censored regression model: an application to Mroz data and a Monte Carlo simulation study**
TOKER KUTAY S., ÖZBAY N., ÜSTÜNDAĞ ŞİRAY G., Yenilmez I.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, 2020 (Journal Indexed in SCI)
- II. **Comparing ordinary ridge and generalized ridge regression results obtained using genetic algorithms for ridge parameter selection**
Ndabashinze B., Siray G.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2020 (Journal Indexed in SCI)
- III. **Principal components estimator for measurement error models**
Siray G.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.90, pp.1022-1038, 2020 (Journal Indexed in SCI)
- IV. **Liu estimation approach to the measurement error models**
Siray G.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, pp.3453-3496, 2019 (Journal Indexed in SCI)
- V. **r-d Class Estimator Under Misspecification**
Siray G.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.44, pp.4742-4756, 2015 (Journal Indexed in SCI)
- VI. **On the Restricted Liu Estimator in the Logistic Regression Model**
Siray G. U. , Toker S., KAÇIRANLAR S.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.44, pp.217-232, 2015 (Journal Indexed in SCI)
- VII. **r - k Class estimator in the linear regression model with correlated errors**
Siray G., KAÇIRANLAR S., SAKALLIOĞLU S.
STATISTICAL PAPERS, vol.55, pp.393-407, 2014 (Journal Indexed in SCI)
- VIII. **Modified and Restricted r-k Class Estimators**
Siray G.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.43, pp.5130-5155, 2014 (Journal Indexed in SCI)
- IX. **RESTRICTED TWO PARAMETER RIDGE ESTIMATOR**
Siray G., Toker S.
AUSTRALIAN & NEW ZEALAND JOURNAL OF STATISTICS, vol.55, pp.455-469, 2013 (Journal Indexed in SCI)
- X. **Inequality constrained ridge regression estimator**
Toker S., Siray G., KAÇIRANLAR S.
STATISTICS & PROBABILITY LETTERS, vol.83, pp.2391-2398, 2013 (Journal Indexed in SCI)
- XI. **Superiority of the r-k Class Estimator Over Some Estimators In A Linear Model**
Siray G., SAKALLIOĞLU S.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.41, pp.2819-2832, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **COMPARISONS OF SOME BIASED ESTIMATORS FOR LINEAR MEASUREMENT ERROR MODELS**
Üstündağ Şiray G., İncekaş C.
Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.21, pp.421-435, 2020 (International Refereed University Journal)
- II. **Genetic Algorithms Applied to Fractional Polynomials for Power Selection: Application to Diabetes Data**
Ndabashinze B., ÜSTÜNDAĞ ŞIRAY G., Scrucca L.
Turkish journal of forecasting, vol.3, pp.15-25, 2019 (International Refereed University Journal)
- III. **Comparisons of the generalized Liu and the ordinary Liu estimators to the ordinary least squares estimator unde the Pitmans?s closeness criterion**
ÜSTÜNDAĞ ŞIRAY G., SAKALLIOĞLU S.
Far East Journal of Theoretical Statistics, vol.38, pp.37-47, 2012 (Refereed Journals of Other Institutions)
- IV. **Inadmissibility of The Liu Estimator To The Ordinary Least Squares Estimator**
ÜSTÜNDAĞ ŞIRAY G., SAKALLIOĞLU S.
ADVANCES AND APPLICATIONS IN STATISTICS, vol.19, pp.21-32, 2010 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Biased Estimation Approach to the Measurement Error Models**
İncekaş C., Üstündağ Şiray G.
ICOAEF'19, VI International Conference on Applied Economics and Finance & Extended with Social Sciences, Balıkesir, Turkey, 16 - 17 October 2019, pp.148
- II. **Liu Estimation for Tobit Regression Model**
TOKER KUTAY S., ÖZBAY N., ÜSTÜNDAĞ ŞIRAY G., YENİLMEZ İ.
20th International Symposium on Econometrics, Operations Research and Statistics (EYİ 2020), Ankara, Turkey, 12 - 14 February 2020
- III. **Developing a First Order Two Parameter Estimator for Generalized Linear Model**
Toker Kutay S., Üstündağ Şiray G., Qasim M.
11th International Statistics Congress, Muğla, Turkey, 4 - 08 October 2019, pp.987-1001
- IV. **Liu and Restricted Liu Estimators in Linear Measurement Error Models**
Üstündağ Şiray G.
11th International Statistics Congress, Muğla, Turkey, 4 - 08 October 2019, pp.38
- V. **Examination of a two parameter estimator with mathematical programming method**
ÖZBAY N., TOKER KUTAY S., ÜSTÜNDAĞ ŞIRAY G.
International Conference on Mathematics and Mathematics Education (ICMME 2019), Konya, Turkey, 11 - 13 July 2019, pp.203-204
- VI. **A comparison of Conventional Statistical Regression Analysis and Fuzzy Regression**
KOÇAK Y., ÜSTÜNDAĞ ŞIRAY G.
The 5th International Fuzzy Systems Symposium, Ankara, Turkey, 14 - 15 October 2017, pp.90
- VII. **Ölçüm Hatalı Modellerde Ranklara Dayalı Yöntem ile Parametre Tahmini**
TOTİK N., ÜSTÜNDAĞ ŞIRAY G.
XVIII. National and I. International Biostatistics Congress, Antalya, Turkey, 26 - 29 October 2016, pp.122-123
- VIII. **Ölçüm Hatalı Modellerde Gruplandırma Yöntemleriyle Parametre Tahmini**
TOTİK N., ÜSTÜNDAĞ ŞIRAY G.
XVIII. National and I. International Biostatistics Congress, Antalya, Turkey, 26 - 29 October 2016, pp.67-68
- IX. **A New Restricted Estimator**
ÜSTÜNDAĞ ŞIRAY G., TOKER S.
International 8th Statistics Congress, Antalya, Turkey, 27 - 30 October 2013, pp.110-111

- X. **Inequality Constrained Ridge Regression Estimation**
TOKER S., ÜSTÜNDAĞ ŞİRAY G., KAÇIRANLAR S.
14th International Symposium On Econometrics, Operations Research and Statistics, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2013, pp.339
- XI. **On the restricted Liu estimator for the logistic regression model**
Siray G. U. , TOKER S., KAÇIRANLAR S., ÜSTÜNDAĞ ŞİRAY G.
8. Uluslararası İstatistik Günleri Sempozyumu, Eskişehir, Turkey, 11 - 13 October 2012, pp.1
- XII. **Liu Tahmin Edici İle En Küçük Kareler Tahmin Edicinin Mahalanobis Kayıp Fonksiyonu Altında Karşılaştırılması**
ÜSTÜNDAĞ ŞİRAY G., SAKALLIOĞLU S.
Uluslararası 7. İstatistik Kongresi, Antalya, Turkey, 28 April - 01 May 2011, pp.204-205

Scientific Refereeing

ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, May 2020

COMMUNICATIONS SERIES A1: MATHEMATICS AND STATISTICS, National Scientific Refreed Journal, March 2020

JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, SCI Journal, August 2018

Project Supported by Higher Education Institutions, March 2018

Journal of Statistical Computation and Simulation, SCI Journal, July 2017

Communications in Statistics - Theory and Methods, SCI Journal, June 2017

Journal of Statistical Computation and Simulation, SCI Journal, July 2016

Journal of Applied Statistics, SCI Journal, July 2015

Communications in Statistics - Simulation and Computation, SCI Journal, April 2015

International Econometric Review, Other Indexed Journal, October 2014

Citations

Total Citations (WOS):36

h-index (WOS):3

Scholarships

Yurt İçi Doktora Programı Bideb, TUBITAK, 2006 - 2009