

Prof. DENİZ İNAN

Personal Information

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Education Information

Doctorate, Marmara University, Faculty of Arts and Sciences, Mathematics, Turkey 2005 - 2010

Post Graduate, Marmara University, Faculty of Arts and Sciences, Mathematics, Turkey 2002 - 2005

Under Graduate, Marmara University, Faculty Of Arts And Sciences, Mathematics, Turkey 1998 - 2002

Dissertations

Doctorate, İç İlişki Durumunda Cox Oransal Hazard Modeli İçin Farklı Tahmin Edicilerin İncelenmesi, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2010

Post Graduate, Modelleme Sürecinde Weibull Dağılımının Kullanılması, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2005

Research Areas

Statistics, Natural Sciences

Academic Titles / Tasks

Professor, Marmara University, Faculty Of Arts And Sciences, Statistics, 2021 - Continues

Associate Professor, Marmara University, Faculty Of Arts And Sciences, Statistics, 2016 - 2021

Research Assistant, Marmara University, Faculty of Arts and Sciences, Statistics, 2009 - 2013

Research Assistant, Marmara University, Faculty Of Arts And Sciences, Mathematics, 2003 - 2009

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

- I. **A new alternative estimation method for Liu-type logistic estimator via particle swarm optimization: an application to data of collapse of Turkish commercial banks during the Asian financial crisis**
Sancar N., İnan D.
JOURNAL OF APPLIED STATISTICS, 2020 (Journal Indexed in SCI)
- II. **Er:YAG laser treatment of urinary incontinence after failed TOT/TVT procedures**
EREL C., Carazo Fernandez L. D. , İNAN D., Makul M.
EUROPEAN JOURNAL OF OBSTETRICS & GYNECOLOGY AND REPRODUCTIVE BIOLOGY, vol.252, pp.399-403, 2020
(Journal Indexed in SCI)
- III. **Serum kisspeptin levels correlated with anti-mullerian hormone levels in women with and without polycystic ovarian syndrome**
Mut A., Erel C. T. , İNAN D., Oner Y. O.
GYNECOLOGICAL ENDOCRINOLOGY, 2020 (Journal Indexed in SCI)

- IV. **Binary particle swarm optimization as a detection tool for influential subsets in linear regression**
 Deliorman G., Inan D.
 JOURNAL OF APPLIED STATISTICS, 2020 (Journal Indexed in SCI)
- V. **Identification of influential observations based on binary particle swarm optimization in the cox PH model**
 Sancar N., İNAN D.
 COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.3, pp.567-590, 2020 (Journal Indexed in SCI)
- VI. **Particle swarm optimization based ridge logistic estimator**
 İNAN D., Sancar N.
 COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.3, pp.669-683, 2020 (Journal Indexed in SCI)
- VII. **Predictive factors for the efficacy of Er:YAG laser treatment of urinary incontinence**
 Erel C. T. , İNAN D., Mut A.
 MATURITAS, vol.132, pp.1-6, 2020 (Journal Indexed in SCI)
- VIII. **A novel method as a diagnostic tool for the detection of influential observations in the Cox proportional hazards model**
 SANCAR N., İNAN D.
 Quality & Quantity, vol.52, pp.1253-1266, 2018 (Journal Indexed in SCI Expanded)
- IX. **Particle swarm optimization based Liu-type estimator**
 İNAN D., EĞRİOĞLU E., Sarica B., AŞKIN Ö. E. , TEZ M.
 COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.22, pp.11358-11369, 2017 (Journal Indexed in SCI)
- X. **Combining the Liu-type estimator and the principal component regression estimator**
 Inan D.
 STATISTICAL PAPERS, vol.56, no.1, pp.147-156, 2015 (Journal Indexed in SCI)
- XI. **Analysing effect of the factors on ultrasonic seam tensile properties of nonwoven fabrics by Nested Anova Design**
 KAYAR M., MISTIK S. İ. , İNAN D.
 INTERNATIONAL JOURNAL OF CLOTHING SCIENCE AND TECHNOLOGY, vol.27, no.6, pp.803-817, 2015 (Journal Indexed in SCI)
- XII. **Biological variations of ADAMTS13 and von Willebrand factor in human adults**
 Kilercik M., COŞKUN A., SERTESER M., İNAN D., Unsal I.
 BIOCHEMIA MEDICA, vol.24, no.1, pp.138-145, 2014 (Journal Indexed in SCI)
- XIII. **Liu-Type Logistic Estimator**
 İnan D., Erdogan B.
 COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.42, pp.1578-1586, 2013 (Journal Indexed in SCI)
- XIV. **A New Estimator for Cox Proportional Hazard Regression Model in Presence of Collinearity**
 İNAN D., TEZ M.
 COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.41, pp.2437-2444, 2012 (Journal Indexed in SCI)
- XV. **DETERMINATION OF STRESS RESPONSES INDUCED BY ALUMINUM IN MAIZE (ZEA MAYS)**
 VARDAR F., Ismailoglu I., İNAN D., Unal M.
 ACTA BIOLOGICA HUNGARICA, vol.62, no.2, pp.156-170, 2011 (Journal Indexed in SCI)
- XVI. **CYTOTOXIC EFFECTS OF AN ELECTROMAGNETIC FIELD ON THE MERISTEMATIC ROOT CELLS OF LENTILS (Lens clunaris Medik.)**
 Eren P., VARDAR F., BİRBİR Y., İNAN D., Uenal M.
 FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, no.3, pp.481-488, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A Modelling Approach to Increase the Explained Risk in the Proportional Hazards Regression**
İNAN D., AŞKIN Ö. E.
Journal of the Turkish Statistical Association, vol.11, pp.1-11, 2018 (Refereed Journals of Other Institutions)
- II. **Parameter Estimation of Shared Frailty Models Based on Particle Swarm Optimization**
AŞKIN Ö. E., İNAN D., BÜYÜKLÜ A. H.
International Journal of Statistics and Probability, vol.6, pp.48-58, 2017 (Refereed Journals of Other Institutions)
- III. **Liu type estimator in cox proportional hazard regression model in presence of collinearity**
İNAN D., TEZ M.
20TH INTERNATIONAL CONFERENCE, EURO MINI CONFERENCE CONTINUOUSOPTIMIZATION AND KNOWLEDGE-BASED TECHNOLOGIES, EUROPT'xx2008, pp.301-305, 2008 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Estimating Optimal Value for the Shrinkage and Biasing Parameters in Liu-Type Logistic Regression based on Particle Swarm Optimization**
SANCAR N., İNAN D.
11 th. International Statistics Congress ISC2019, 4 - 08 October 2019
- II. **Binary Particle Swarm Optimization as a Detection Tool for Influential Subsets in Linear Regression**
İNAN D., DELİORMAN G.
11 th. International Statistics Congress ISC2019, 4 - 08 October 2019
- III. **Type-1 Penalized Regression Functions**
TAK N., İNAN D.
11 th. International Statistics Congress ISC2019, 4 - 08 October 2019
- IV. **Liu-type Logistic Estimator based on Particle Swarm Optimization**
SANCAR N., İNAN D.
21st European Young Statisticians meeting, Belgrade, Serbia And Montenegro, 29 July - 02 August 2019, pp.23-24
- V. **A novel Method for Detection of Influential Data Points in Cox Model**
SANCAR N., İNAN D.
International Conference on Trends and Perspectives in Linear Statistical Inference, Bedlewo, Poland, 20 - 24 August 2018
- VI. **Particle Swarm Optimization Based Ridge Logistic Estimator.**
İNAN D., SANCAR N.
International Conference on Trends and Perspectives in Linear Statistical Inference, Bedlewo, Poland, 20 - 24 August 2018
- VII. **Detection of Outliers in Survival Data by Using Press-Type Residuals**
İNAN D.
IRSYSC 2017 – 3RD INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, 24 - 26 May 2017
- VIII. **Sağkalım Modellerinin Tahmin Performansının Bulanık C Ortalamalar Algoritması Kullanılarak Arttırılması**
İNAN D.
TOBB ETU Endüstri Mühendisliği Bölüm Seminerleri, Turkey, 09 November 2016
- IX. **Robust Estimation for Cox Regression Model Based on Sufficient Jackknife After Bootstrap Method**
İNAN D.
International Conference on Trends and Perspectives in Linear Statistical Inference (Linstat2016), 22 - 25 August 2016
- X. **A Novel Modelling Approach to Increase the Explained Risk in the Proportional Hazards Regression**
İNAN D., AŞKIN Ö. E., SARICA B.

The 10th Tartu Conference on Multivariate Statistics, Tartu, Estonia, 28 June - 01 July 2016

- XI. **A New Approach to Improve the Prediction Performance of the Proportional Hazards Regression**
İnan D., Aşkın Ö. E. , Sarıca B.
X th International Statistics Days Conference, Giresun, Turkey, 7 - 09 October 2016, pp.14-22
- XII. **Weibull Regression Model with Shared Gamma Frailty**
Aşkın Ö. E. , İnan D.
European Young Statisticians Meeting, Praha, Czech Republic, 31 August - 04 September 2015
- XIII. **Particle Swarm Optimization Based Liu Type Estimator**
İnan D., Eğrioglu E., Tez M., Sarıca B.
The Seventh International Conference on Mathematical Statistics (PROBASTAT), Bratislava, Slovakia, 29 June - 03 July 2015
- XIV. **An Alternative Estimation Method For Shared Frailty Models**
Aşkın Ö. E. , İnan D., Büyüklü A. H.
The Seventh International Conference on Mathematical Statistics (PROBASTAT), Bratislava, Slovakia, 29 June - 03 July 2015
- XV. **A Comparison of Compound Poisson Class Distributions**
Aşkın Ö. E. , İnan D., Büyüklü A. H.
The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2014), Linköping, Sweden, 24 - 26 August 2014
- XVI. **Modeling multiple time series data using wavelet-based support vector regression**
İnan D., Eygi Erdoğan B.
International Conference on Trends and Perspectives in Linear Statistics, Poznan, Poland, 16 - 20 June 2012
- XVII. **Combining the Liu Type Estimator and the Principal Component Regression Estimator A Comparative Simulation Study**
İNAN D.
European Young Statisticians Meeting, 17th EYSM, 5 - 09 September 2011
- XVIII. **A Liu Type Logistic Regression Estimator**
İnan D., Eygi Erdoğan B.
International 7th Statistics Congress-İSTKON, Antalya, Turkey, 28 April - 01 May 2011
- XIX. **A New Estimator for Cox Proportional Hazard Regression Model in Presence of Collinearity**
İNAN D., TEZ M.
International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT), Tomar, Portugal, 27 June - 03 July 2010
- XX. **Aluminyum stresinin mısır kökleri üzerindeki etkileri**
VARDAR F., İSMAİLOĞLU I., İNAN D., ÜNAL M.
20. Ulusal Biyoloji Kongresi, Turkey, 21 - 25 June 2010
- XXI. **Yinelemeli Olay Analizi ve Çocuk Suçluluğu Üzerine bir Uygulama**
Tez M., İnan D.
6. İstatistik Günleri Sempozyumu, Samsun, Turkey, 28 - 30 August 2009
- XXII. **Liu type estimator in cox proportional hazard regression model in presence of collinearity**
İNAN D., Tez M.
20th International Conference/Euro Mini Conference on Continuous Optimization and Knowledge-Based Technologies (EuroOPT 2008), Neringa, Lithuania, 20 - 23 May 2008, pp.301-305

Activities in Scientific Journals

Turkish Journal of Forecasting, Committee Member, 2017 - Continues

Scientific Refereeing

COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, Journal Indexed in SCI-E, May 2018
JOURNAL OF APPLIED STATISTICS, Journal Indexed in SCI-E, April 2017
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, Journal Indexed in SCI-E, March 2017
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, Journal Indexed in SCI-E, June 2016
JOURNAL OF APPLIED STATISTICS, Journal Indexed in SCI-E, March 2016
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, Journal Indexed in SCI-E, February 2016
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, Journal Indexed in SCI-E, October 2015
STATISTICAL PAPERS, Journal Indexed in SCI-E, May 2015
COMPUTATIONAL STATISTICS & DATA ANALYSIS, Journal Indexed in SCI-E, May 2015
Communications In Statistics-Simulation And Computation, Journal Indexed in SCI-E, December 2014
Communications In Statistics-Theory And Methods, Journal Indexed in SCI-E, August 2014

Tasks In Event Organizations

İnan D., Young Business and Industrial Statisticians (y-BIS) Workshop on Recent Advances in Data Science and Business Analytics, Scientific Congress, İstanbul, Turkey, Eylül 2019
İnan D., 21st European Young Statisticians Meeting, Scientific Congress, Belgrade, Serbia And Montenegro, Ağustos 2019
İnan D., International Conference on Trends and Perspectives in Linear Statistical Inference LINSTAT 2016, Scientific Congress, İstanbul, Turkey, Aralık 2016

Citations

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