

FATMA SEVINÇ KURNAZ

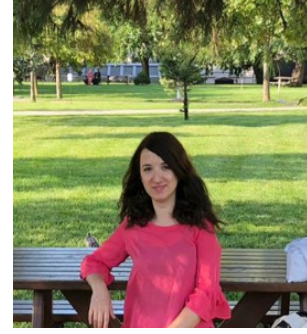
ASST. PROF.

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Learning Knowledge

Doctorate
2011 - 2017

Yildiz Technical University, Faculty of Arts & Science, İstatistik, Turkey

Certificates, Courses and Trainings

Measurement and Evaluation, Öğretim Yeterliliklerinin Geliştirilmesi, Yıldız Teknik Üniversitesi, 2019

Personal Evolution, Prof. Dr. Fuat Sezgin Eserlerini Okuma Günleri, İstanbul Üniversitesi, 2019

Health&Medicine, İlk Yardım Eğitimi, Yıldız Teknik Üniversitesi, 2017

Industrial Rights, Intellectual Property Rights, Patent, Licensing, Bilirkişilik Temel Eğitimi, İstanbul Üniversitesi, 2017

Education Management and Planning, Araştırmalarda Farkındalık ve Odaklanma, TÜBİTAK, 2012

Education Management and Planning, Pedagojik Formasyon, Yıldız Teknik Üniversitesi, 2010

Dissertations

Doctorate, New Robust Penalized Estimators for Linear and Logistic Regression, Yildiz Technical University, İstatistik, 2017

Postgraduate, Bazı Yanlı Tahmin Edicilerde Yanlılık Tahmin Edicisinin Tahmin Edilmesi, Istanbul University, Matematik, 2011

Academic Titles / Tasks

Assistant Professor
2020 - Continues

Yildiz Technical University, Faculty of Arts & Science, Department of Statistics

Research Assistant PhD
2017 - 2020

Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics

Researcher
2016 - 2017

Technische Universitaet Wien, Institute of Statistics and Mathematical Methods in Economics

Research Assistant
2014 - 2017

Yildiz Technical University, Faculty Of Arts & Science, Department Of Statistics

Researcher
2013 - 2014

Technische Universitaet Wien, Institute of Statistics and Mathematical Methods in
Economics

Research Assistant
2012 - 2014

Karadeniz Technical University, Fen Fakültesi, İstatistik Ve Bilgisayar Bilimleri

Supported Projects

1. KURNAZ F. S. , Other Supported Projects, Robust Estimation Methods for High Dimensional Data, 2016 - 2017

Awards

1. KURNAZ F. S. , TU Wien Yurtdışı Bilimsel Etkinliklere Katılım Desteği, Viyana Teknik Üniversitesi (TU Wien), September 2017
2. KURNAZ F. S. , Tübitak 2224-A Yurtdışı Bilimsel Etkinliklere Katılım Desteği, TÜBİTAK, July 2012
3. KURNAZ F. S. , The Young Scientists Award 3th, LinStat12, The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2012), July 2012

Scholarships

2214/A Doktora Sırası Araştırma Bursu, Other International Organizations, 2016 - 2017

Taught Courses And Trainings

Kurnaz F. S. , Büyük Veri ve R ile Veri Analitiği, 2021 - 2021

Kurnaz F. S. , Büyük Veri ve Veri Analitiği, 2020 - 2020

Kurnaz F. S. , R ile Veri Bilimi, 2020 - 2020

Kurnaz F. S. , R ile Veri Bilimi, 2019 - 2019

Kurnaz F. S. , Büyük Veri ve Veri Analitiği, 2019 - 2019

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

1. **Performances of Some High Dimensional Regression Methods: Sparse Principal Component Regression**

Kurnaz F. S.

Communications In Statistics-Simulation And Computation, vol.3, no.3, pp.2529-2543, 2021 (Journal Indexed in SCI Expanded)

2. **Performances of Some High Dimensional Regression Methods**

Kurnaz F. S.

Communications In Statistics-Simulation And Computation, vol.50, no.6, pp.1820-1836, 2021 (Journal Indexed in SCI Expanded)

3. **Forecasting Drought using Neural Network Approaches with Transformed Time Series Data**

Evkaya Ö. O. , Kurnaz F. S.

Journal Of Applied Statistics, vol.1, pp.1-20, 2021 (Journal Indexed in SCI Expanded)

4. **Robust and sparse estimation methods for high-dimensional linear and logistic regression**
KURNAZ F. S. , Hoffmann I, Filzmoser P.
CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS, vol.172, pp.211-222, 2018 (Journal Indexed in SCI)
5. **A robust Liu regression estimator**
Filzmoser P., KURNAZ F. S.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.47, no.2, pp.432-443, 2018 (Journal Indexed in SCI)
6. **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)
7. **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)

Articles Published in Other Journals

1. **Some Regression Methods Based on Principal Components**
Kurnaz F. S.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.3, pp.581-591, 2020 (International Refereed University Journal)

Books & Book Chapters

1. **Çeşitli Lineer Sınıflandırma Yöntemleri, Uygulamaları ve Karşılaştırmaları**
Kurnaz F. S.
in: Mühendislik, Matematik ve Doğa Bilimlerinde Yenilikçi Yöntemler, Turgut Özseven, Ebubekir Yaşar, Muharrem Düğenci, Sena Özen Yıldırım, Şirin Çetin, Editor, Ekin Yayınevi, Bursa, pp.53-65, 2019
2. **R ile Lineer Yöntemler**
Kurnaz F. S.
in: Mühendislik, Matematik ve Doğa Bilimlerinde Yenilikçi Yöntemler, Turgut Özseven, Ebubekir Yaşar, Muharrem Düğenci, Sena Özen Yıldırım, Şirin Çetin, Editor, Ekin Yayınevi, Bursa, pp.28-52, 2019

Refereed Congress / Symposium Publications in Proceedings

1. **Drought Monitoring of Marmara Region using Novel Machine Learning Tools**
Kurnaz F. S. , Evkaya Ö. O.
11th International Statistics Congress (ISC2019), Muğla, Turkey, 4 - 08 October 2019, pp.13
2. **The Changes in Last 10 Years of the Marriage and Divorce Statistics Based on Regions of Level 1 According Statistical Regional Units Classification (NUTS) in Turkey and Age Groups: Examples 2008 and 2018**
Kurnaz F. S.
11th International Statistics Congress (ISC2019), Muğla, Turkey, 4 - 08 October 2019, pp.1
3. **COMPARISON OF LEAST SQUARE METHOD, RIDGE AND LIU ESTIMATORS IN SAANEN GOATS**
Tırınk C., Önder H., Kurnaz F. S.
International Congress on Domestic Animal Breeding, Genetics and Husbandry 2019 (ICABGEH-19), Praha, Czech Republic, 11 - 13 September 2019, pp.15
4. **Robust and Sparse Methods for Regression and Classification in High Dimensions**

Filzmoser P., Kurnaz F. S. , Hoffmann I.

International Conference on Data Science, Machine Learning and Statistics - 2019 (DMS-2019), Van, Turkey, 27 - 29 June 2019, pp.12

5. **Outlier Detection and Variable Selection for Count Data**

KURNAZ F. S.

11. International Statistics Days Conference, Muğla, Turkey, 03 October 2018, pp.100

6. **Comparison of some robust methods in nonlinear regression**

KURNAZ F. S. , Tez M.

The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2018), Poznan, Poland, 20 August 2018, pp.104

7. **Classification of Hepatit Disease Using Support Vector Machines and Decision Tree**

ünsal ü., KURNAZ F. S. , turhan k.

10th International Statistics Congress, Ankara, Turkey, 06 December 2017, pp.124

8. **Robustified Elastic Net Estimator for Regression and Classification**

KURNAZ F. S. , Hoffmann I, Filmzoser P.

10th International Statistics Congress 2017, Ankara, Turkey, 06 December 2017, pp.92

9. **ROBUST AND SPARSE ESTIMATION METHODS FOR HIGH DIMENSIONAL LINEAR AND LOGISTIC REGRESSION**

Kurnaz F. S. , Hoffmann I, Filzmoser P.

European Conference on Data Analysis (ECDA), Wroclaw, Poland, 27 - 29 September 2017, pp.36

10. **A Robust Liu Regression Estimator**

KURNAZ F. S. , Filzmoser P.

The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2014), Linköping, Sweden, 24 August 2014, pp.58-59

11. **A New Liu-type Estimator**

KURNAZ F. S. , akay k. u.

The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2012), Poznan, Poland, 16 July 2012, pp.123

12. **İki Yanlılık Parametresi İçeren Bazı Yanlı Tahmin Edicilerin Karşılaştırılması**

Kurnaz F. S. , Akay K. U.

ICEOS-2012/EYİ-2012: 13th International Conference on Econometrics, Operations Research and Statistics, Gazimagusa, Cyprus (Kktc), 24 May 2012, pp.260

Other Publications

1. **enetLTS: robust and sparse methods for high dimensional linear and logistic regression.R package version 0.1.0, <https://CRAN.R-project.org/package=enetLTS>**

KURNAZ F. S. , Hoffmann I, Filzmoser P.

Other, pp.1, 2018

Courses

Veri Tabanı , Undergraduate, 2020 - 2021

Dayanıklı İstatistik, Postgraduate, 2020 - 2021

Olasılık, Undergraduate, 2020 - 2021

Robust İstatistik ve R ile Uygulamaları, Undergraduate, 2020 - 2021

İstatistiksel Programlama, Postgraduate, 2020 - 2021

İstatistikçiler için Matematiksel Programlama, Undergraduate, 2020 - 2021

Stokastik Süreçler , Undergraduate, 2019 - 2020

İstatistiğe Giriş, Undergraduate, 2019 - 2020, 2020 - 2021
İstatistik, Undergraduate, 2020 - 2021
Introduction to Mathematical Statistics, Undergraduate, 2019 - 2020

Activities in Scientific Journals

Black Sea Journal of Engineering and Science (BSJ Eng. Sci.), Editor, 2018 - Continues

Scientific Refereeing

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, August 2021
COMPUTATIONAL STATISTICS, Journal Indexed in SCI-E, May 2021
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, January 2021
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, Journal Indexed in SCI-E, November 2020
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, July 2020
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, April 2020
PAKISTAN JOURNAL OF STATISTICS AND OPERATION RESEARCH, Journal Indexed in SCI-E, April 2020
Statistical Papers, Journal Indexed in SCI-E, January 2020
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, November 2019
Journal Of Applied Statistics, Journal Indexed in SCI-E, September 2019
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, Journal Indexed in SCI-E, September 2019
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, Journal Indexed in SCI-E, August 2019
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, Journal Indexed in SCI-E, August 2019
Journal Of Applied Statistics, Journal Indexed in SCI-E, March 2019
Analytical Methods, SCI Journal, February 2019
Statistics, Optimization & Information Computing, Journal Indexed in SCI-E, October 2018
Computational Statistics, Journal Indexed in SCI-E, July 2018
Journal of Engineering Technology and Applied Sciences, Other Indexed Journal, April 2018
Statistical Papers, Journal Indexed in SCI-E, May 2015

Edit Congress and Symposium Activities

11. International Statistics Days Conference, Attendee, Muğla, Turkey, 2018
The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2018), Attendee, Poznan, Poland, 2018
10th International Statistics Congress 2017, Attendee, Ankara, Turkey, 2017
European Conference on Data Analysis (ECDA 2017), Attendee, Wroclaw, Poland, 2017
The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2014), Attendee, Linköping, Sweden, 2014
The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2014), Invited Speaker, Linköping, Sweden, 2014
The International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2012), Attendee, Poznan, Poland, 2012
13th International Conference on Econometrics, Operations Research and Statistics, Attendee, Gazimagusa, Cyprus (Kkctc), 2012

Citations

Total Citations (WOS):27

h-index (WOS):2

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences