

Prof. MÜJGAN TEZ

Personal Information

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Education Information

Doctorate, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1982 - 1985

Post Graduate, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, Turkey 1980 - 1982

Under Graduate, Selçuk Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1976 - 1980

Dissertations

Doctorate, Lineer olmayan modellerde güven bölgelerinin incelenmesi ve Mitscherlich modeli, Cukurova University, 1985

Post Graduate, Lineer Olmayan Modellerde Parametre Kestirimi, Ankara University, Faculty Of Science, Department Of Mathematics, 1982

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Marmara University, Faculty of Arts and Sciences, Statistics, 2019 - Continues

Professor, Isik University, Faculty Of Science And Letters, Department Of Mathematics, 2011 - Continues

Professor, Marmara University, Faculty of Arts and Sciences, Statistics, 2009 - 2019

Professor, Marmara University, Faculty of Arts and Sciences, Mathematics, 2000 - 2009

Professor, Dicle Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1997 - 2000

Associate Professor, Dicle Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1991 - 1997

Assistant Professor, Kansas State University, Art And Sciences, Statistics, 1990 - 1991

Assistant Professor, Dicle Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1986 - 1991

Research Assistant, Dicle Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1984 - 1986

Research Assistant, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1980 - 1984

Professional Experience

Head of Department, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, İstatistik (YI) (Tezi), 2016 - 2018

Head of Department, Marmara University, Faculty of Arts and Sciences, Statistics, 2009 - 2018

Head of Department, Marmara University, Faculty of Arts and Sciences, Statistics, 2009 - 2018

Head of Department, Marmara University, Faculty of Arts and Sciences, Mathematics, 2009 - 2010

Head of Department, Marmara University, Faculty of Arts and Sciences, Mathematics, 2007 - 2010

Head of Department, Marmara University, Faculty of Arts and Sciences, Mathematics, 2000 - 2003

Head of Department, Dicle Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1998 - 2000

Head of Department, Dicle Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1986 - 2000

Courses

Advising Theses

- TEZ M., Recurrent Type-1 Fuzzy Functions Approach for Time Series Forecasting, Doctorate, N.TAK(Student), 2016
TEZ M., Ölçüm hatalı değişkenli yarı parametrik regresyon modelleri, Doctorate, S.TOPRAK(Student), 2015
Tez M., Verilerin değerlendirilmesinde meta analizi, Post Graduate, N.ÇELEBİ(Student), 2002
TEZ M., Tepki yüzeyleri ve tasarımları, Doctorate, A.HARMAN(Student), 2000
TEZ M., Lineer olmayan ölçüm hatalı modellerde eğrilik ölçümleri, Doctorate, P.TAYLAN(Student), 1999
TEZ M., İstatistiksel uygulamalarda kovaryans analizi ve hipertansif, sağlıklı gebe kadınlarda yaş, ortalamaya artıyael basınç değişkenlerinin değerlendirilmesi, Post Graduate, H.ÇELİK(Student), 1997
TEZ M., Ölçüm hatalı lineer olmayan modellerde parametre kestirimi, Post Graduate, A.HARMAN(Student), 1995
TEZ M., İstatistiksel uygulamalarda varyans analizi yöntemi, Post Graduate, E.UYSAL(Student), 1994
TEZ M., Lineer olmayan modellerde eğrilik ölçümleri, Post Graduate, P.TAYLAN(Student), 1993
Tez M., Stein-Rule Shrinkage Kestiricileri ve Özellikler, Post Graduate, N.VURĞUN(Student), 1992

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, September, 2018

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

- **Recurrent type-1 fuzzy functions approach for time series forecasting**
TAK N., Evren A. A. , TEZ M., EĞRİOĞLU E.
APPLIED INTELLIGENCE, vol.48, pp.68-77, 2018 (Journal Indexed in SCI)
- **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, pp.11358-11369, 2017 (Journal Indexed in SCI)
- **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)
- **Optimization of chemical admixture for concrete on mortar performance tests using mixture experiments**
Akalin O., Akay K. U. , SENNAROĞLU B., TEZ M.
CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS, vol.104, pp.233-242, 2010 (Journal Indexed in SCI)
- **C03/58 In Vitro NMR Proton T1 Measurements In Peritoneal Ascites**
GÖRAL V., YILMAZ A., TEZ M., KAPLAN A., KAVAK G.
Journal Of Hepatology, vol.26, 1997 (Journal Indexed in SCI)
- **In vitro NMR Proton T1 Measurements in peritoneal ascites**
GÖRAL V., YILMAZ A., TEZ M., KAPLAN A., KAVAK G.
Gastroenterology, vol.112, pp.1273, 1997 (Journal Indexed in SCI)
- **In vitro NMR proton T-1 measurements in peritoneal ascites**
YILMAZ A., TEZ M., GÖRAL V., Boylu S., Kaplan A., Kavak G.
PHYSICS IN MEDICINE AND BIOLOGY, vol.41, pp.539-549, 1996 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Semiparametric EIV Regression Model with Unknown Errors in allVariables**
YALAZ S., TEZ M.
BEU Journal of Science, vol.8, pp.1177-1183, 2019 (Other Refereed National Journals)
- **On curvature measurements of the nonlinear errors in variable models by application study**
TAYLAN P., UYSAL E., TEZ M.
JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, vol.21, pp.741-765, 2018 (Journal Indexed in ESCI)
- **An Application of Nelder Mead Heuristic based Hybrid Algorithms Estimation of Compartment Model Parameters**
TÜRKŞEN Ö., TEZ M.
International Journal of Artificial Intelligence, vol.14, pp.1-18, 2016 (Refereed Journals of Other Institutions)
- **Meta analizinde kategorik verilerin birleştirilmesinde kullanılan istatistiksel yöntemler Aktif ve pasif sigara içicilerin değerlendirilmesi**
YILDIZ N., TEZ M.
ISTANBUL UNIVERSITY JOURNAL OF THE SCHOOL OF BUSINESS, vol.38, pp.134-146, 2009 (Other Refereed National Journals)
- **A Comparison of the Effect Size Estimators in Meta Analysis**
YILDIZ N., AKÇIL OK M., TEZ M.
applied mathematical science, vol.3, pp.725-736, 2009 (Refereed Journals of Other Institutions)
- **Liu estimator in logistic regression when the data are collinear**
URGAN N. N. , TEZ M.
20TH INTERNATIONAL CONFERENCE, EURO MINI CONFERENCE CONTINUOUS OPTIMIZATION AND KNOWLEDGE-BASED TECHNOLOGIES, EUROPT'xx2008, pp.323-327, 2008 (Refereed Journals of Other Institutions)
- **Estimation under a multivariate multiple linear model and some associated reduced models**
GÜLER N., ÖZDEMİR H., TEZ M.
20TH INTERNATIONAL CONFERENCE, EURO MINI CONFERENCE CONTINUOUS OPTIMIZATION AND KNOWLEDGE-BASED TECHNOLOGIES, EUROPT'xx2008, pp.296-300, 2008 (Refereed Journals of Other Institutions)
- **Liu type estimator in cox proportional hazard regression model in presence of collinearity**
İNAN D., TEZ M.
20TH INTERNATIONAL CONFERENCE, EURO MINI CONFERENCE CONTINUOUS OPTIMIZATION AND KNOWLEDGE-BASED TECHNOLOGIES, EUROPT'xx2008, pp.301-305, 2008 (Refereed Journals of Other Institutions)
- **"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)

Book & Book Chapters

- **in: Trends and Perspectives in Linear Statistical Inference" (LinStat2016),**
TÜRKŞEN Ö., TEZ M.
Statistical Inference for Two-Compartment Model Parameters with Bootstrap Method and Genetic Algorithm January 2018, Müjgan TEZ, Dietrich Von Rosen, Editor, Springer, Cham, pp.241-257, 2018

Refereed Congress / Symposium Publications in Proceedings

- **Risk-based Fraud Analysis for Bank Loans With Autonomous Machine Learning**
TEZ M.
Recent Advances in Data Science and Business Analytics Y-BIS 2019, İstanbul, Turkey, 25 - 28 Eylül 2019, pp.71
- **Statistical Inference for Two-Compartment Model Parameters with Bootstrap Method and Genetic Algorithm**

TÜRKŞEN Ö., TEZ M.

Trends and Perspectives in Linear Statistical Inference LINSTAT, Germany, 22 - 25 Ağustos 2018, pp.241-257

- **Comparison of some Robust Methods in Nonlinear Regression**

KURNAZ F. S. , TEZ M.

International Conference on trends and Perspectives in linear Statistical Inference(LINSTAT2018),
poznan,bedlowa, Poland, 20 - 24 Ağustos 2018, pp.1-254

- **A numerical approach for statistical inference of nonlinear regression model parameters**

TÜRKŞEN Ö., TEZ M.

29th European Conference on Operational Research (EURO18), 8 - 11 Temmuz 2018

- **Obtaining Point Estimates of Nonlinear Regression Model Parameters by Hybridization of Iterative and Direct Optimization Algorithms**

AKGÜN F., TÜRKŞEN Ö., TEZ M.

3.International Researchers,Statisticians Congress(IRSSC), Konya, Turkey, 24 - 26 Mayıs 2017

- **A Hybrid Compartment Model Approaches Based on Particle Swarm Optimization**

TÜRKŞEN Ö., EĞRİOĞLU E., TEZ M.

Xth International Statistics Days Conference – ISDC’2016 (IGS 2016), Giresun, Turkey, 7 - 09 Ekim 2016

- **Geri Beslemeli Bulanık Fonksiyon Yaklaşımı ve T C Altını Verisinin Analizi**

TAK N., EĞRİOĞLU E., TEZ M.

Xth International Statistics Days Conference – ISDC’2016 (IGS 2016), Turkey, 7 - 09 Ekim 2016

- **Multivariate Semiparametric Regressi on Estimation with Errors in Variables**

YALAZ S., TEZ M.

International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2016), İstanbul, Turkey,
22 - 25 Ağustos 2016

- **Recurrent Type 1 Fuzzy Regression Function for Time Series Forecasting**

TAK N., EVREN A. A. , TEZ M., EĞRİOĞLU E.

International Conference on Trends and Perspectives in Linear Statistical Inference (LinStat2016), İstanbul, Turkey,
22 - 25 Ağustos 2016

- **Estimation of compartment model parameters by combining genetic algorithm and Jackknife method**

TÜRKŞEN Ö., TEZ M.

The 10th Tartu Conference on Multivariate Statistics, Tartu, Estonia, 28 Haziran - 01 Temmuz 2016

- **A Semiparametric Regression Model with Errors in All Variables**

TOPRAK S., TEZ M., TUTALAR H. İ.

The Seventh International Conference on Mathematical Statistics (PROBASTAT), Smolenice, Slovakia, 29 Haziran
- 03 Temmuz 2015

- **Artificial Intelligence Optimization Methods Application in Compartment Models**

TEZ M., TÜRKŞEN Ö.

The Seventh International Conference on Mathematical Statistics (PROBASTAT), Smolenice, Slovakia, 29 Haziran
- 03 Temmuz 2015

- **Particle Swarm Optimization Based Liu Type Estimator**

İNAN D., EĞRİOĞLU E., TEZ M., SARICA B.

The Seventh International Conference on Mathematical Statistics, Smolenice, Slovakia, 29 Haziran - 03 Temmuz
2015

- **Particle Swarm Optimization Based Liu Type Estimator**

İNAN D., EĞRİOĞLU E., TEZ M., SARICA B.

The Seventh International Conference on Mathematical Statistics (PROBASTAT), Smolenice, Slovakia, 29 Haziran
- 03 Temmuz 2015

- **Optimization of Compartment Models by Using Metaheuristic Approaches**

TÜRKŞEN Ö., TEZ M.

International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT), Linköping, Sweden,
24 - 28 Ağustos 2014

- **On the Curvature Measurement of the Nonlinear Errors in Variable Models NEIVM**

TAYLAN P., UYSAL E., TEZ M.

International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT), Linköping, Sweden,

24 - 28 Ağustos 2014

- **Semiparametric Regression in the Presence of Measurement Error**

YALAZ S., TEZ M., TUTALAR H. İ.

International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT), Linköping, Sweden, 24 - 28 Ağustos 2014

- **Improved estimation of the mean by using coefficient of variation as a prior information in ranked set sampling**

HAKİ D., EGE ORUÇ Ö., TEZ M.

International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT), Bedlewo, Poland, 16 Temmuz 2012 - 20 Temmuz 2010

- **A Simulation Study for Alternative Estimation Technique in Nonlinear Models with Multicollinear Data**

ERKOÇ A., AKAY K. U. , TEZ M.

International Conference on Trends and Perspectives in Linear Statistical Inference (LINSTAT), Tomar, Portugal, 27 Haziran - 03 Temmuz 2010

- **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 Haziran - 03 Temmuz 2010

- **Yinelemeli Olay Analizi ve Çocuk Suçluluğu Üzerine bir Uygulama**

TEZ M., İNAN D.

6.İstatistik Günleri Sempozyumu, Samsun, Turkey, 28 - 30 Ağustos 2009

- **A comparison of the within-study variance estimators in meta-analysis**

YILDIZ N., AKÇİL OK M., TEZ M.

5 th conference of the eastern mediterranean region of the international biometric society, İstanbul, Turkey, 10 - 14 Mayıs 2009

- **Verilerin Lineer iç ilişkili olduğu lojistik regresyonda bazı yanlı parametre kestiricileri ve en küçük kareler ortalamasına göre karşılaştırmaları**

URGAN N. N. , TEZ M.

5.İstatistik Kongresi, Turkey, 20 - 24 Mayıs 2008

- **Pasif sigara içicilerinin Akciğer kanserine Yakalanmasına ilişkin sonuçların Meta-analiz ile değerlendirilmesi**

YILDIZ N., TEZ M.

VII. Ulusal biyoistatistik kongresi, Mersin, Turkey, 29 Eylül - 02 Ekim 2004

- **Son 25 yılda lineer olmayan modellerde gelişmeler**

TEZ M.

İstatistik Günleri (Çukurova Üniversitesi), Turkey, 25 - 26 Mayıs 1998

- **Lineer olmayan modellerde tolerans aralıklar**

TEZ M.

2. Ulusal Fen Bilimleri Kongresi (Kırıkkale Üniversitesi), Turkey, 20 - 22 Mayıs 1998

- **Testing Non Nested Linear Nonlinear Models**

TEZ M.

Araştırma Sempozyumu'xx95, Turkey, 27 - 29 Kasım 1995

- **Ölçüm Hatalı Lineer Olmayan modellerin tanıtılması kestirim sorunları ve kullanım alanları**

TEZ M.

8. Ulusal Matematik Sempozyumu (Çukurova Üniversitesi), Turkey, 19 - 23 Eylül 1995

Citations

Total Citations (WOS):44

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Scholarships

