Prof. TUĞBA YILDIZ

Personal Information

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International Researcher IDs
ScholarID: Qr69SBcAAAAJ
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Publons / Web Of Science ResearcherID: ABC-5958-2020
ScopusID: 54896191800
Yoksis Researcher ID: 141550

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, İstatistik (Dr), Turkey 2004 - 2007
Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, İstatistik (Yl) (Tezli), Turkey 2001 - 2003
Undergraduate, Dokuz Eylul University, Fen Fakültesi, İstatistik Bölümü, Turkey 1996 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Progressively type II censored order statistics, distributions, characterizations and concomitants, Dokuz Eylul University, Fen Bilimleri Enstitüsü, İstatistik (Dr), 2007
Postgraduate, Capacitated transportation problems and an application, Dokuz Eylul University, Fen Bilimleri Enstitüsü, İstatistik (Yl) (Tezli), 2003

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Dokuz Eylul University, Fen Fakültesi, İstatistik Bölümü, 2023 - Continues

Academic and Administrative Experience

Birim Kalite Komisyonu Üyesi, Dokuz Eylul University, Fen Fakültesi, İstatistik Bölümü, 2020 - Continues
Dokuz Eylul University, 2014 - Continues

Courses

Probleme Dayalı Öğrenme I, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Statistical Inference, Undergraduate, 2021 - 2022

Statistics, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Mathematical Statistics, Undergraduate, 2022 - 2023, 2021 - 2022

Veri Biliminde Olasılık ve İstatistik, Postgraduate, 2022 - 2023, 2021 - 2022

Probleme Dayalı Öğrenme II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Veri Biliminde Olasılık ve İstatistik, Postgraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

BİTİRME PROJESİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Ordered Random Variables, Postgraduate, 2018 - 2019

Statistics I, Undergraduate, 2018 - 2019, 2017 - 2018

PROBLEME DAYALI ÖĞRENME I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Olasılık Teorisi ve İstatistik I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

PROBABILITY AND STATISTICS II, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

PROBLEME DAYALI ÖĞRENME II, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

PROBABILITY AND STATISTICS I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

PROBLEME DAYALI ÖĞRENME I (İ.Ö), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

PROBABILITY AND STATISTICS I (İ.Ö), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

PROBLEME DAYALI ÖĞRENME II (İ.Ö), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

PROBABILITY AND STATISTICS II (İ.Ö), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

M.SC. RESEARCH, Postgraduate, 2014 - 2015, 2013 - 2014

M.SC. SEMINAR, Postgraduate, 2014 - 2015, 2013 - 2014

M.SC. THESIS, Postgraduate, 2014 - 2015, 2013 - 2014

ORDER STATISTICS AND ITS APPLICATIONS, Undergraduate, 2014 - 2015, 2013 - 2014

PROBLEME DAYALI ÖĞRENME IV (İ.Ö), Undergraduate, 2014 - 2015

PROBLEME DAYALI ÖĞRENME III (İ.Ö), Undergraduate, 2014 - 2015, 2013 - 2014

KATEGORİK VERİ ÇÖZÜMLEMESİ (İ.Ö), Undergraduate, 2013 - 2014

KATEGORİK VERİ ÇÖZÜMLEMESİ, Undergraduate, 2013 - 2014, 2012 - 2013

Advising Theses

Yıldız T., Mean Estimators Based on Ranked Set Sampling, Doctorate, S.Akdeniz(Student), Continues

Yıldız T., İşbirlikçi Filtreleme ile Yemek Tavsiye Sistemleri Geliştirme, Postgraduate, M.Cengiz(Student), 2024

Yıldız T., Ranked Set Sampling for Environmental Research in Sustainable Smart Cities: Estimation of Dependence Measures, Doctorate, Y.CAN(Student), 2023

Yıldız T., Machine learning techniques based on ranked set sampling, Postgraduate, S.ASLAN(Student), 2022

YILDIZ T., Sıralı küme örneklemesinde sıralama hata modelleri, maliyet ve en uygun küme büyüklüğü, Postgraduate, S.AKDENİZ(Student), 2019

YILDIZ T., Sıralı küme örneklemesinde uyum iyiliği testleri, Postgraduate, Y.CAN(Student), 2017

YILDIZ T., Eğitimde ölçme sonuçlarının entropilerinin hesaplanması ve yorumlanması, Postgraduate, U.ATEŞ(Student), 2015

Jury Memberships

Post Graduate, Post Graduate, Ege Üniversitesi, September, 2022

Post Graduate, Post Graduate, Ege Üniversitesi, February, 2022

Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, July, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. **The Effects of Ranking Error Models on Mean Estimators Based on Ranked Set Sampling**
Akdeniz S., YILDIZ T.
Revstat Statistical Journal, vol.21, no.3, pp.347-366, 2023 (SCI-Expanded)

II. **Estimation of Distribution Function Using Percentile Ranked Set Sampling**
Sevil Y. C., Yildiz T.
Revstat Statistical Journal, vol.21, no.1, pp.39-62, 2023 (SCI-Expanded)

III. **Gumbel's bivariate exponential distribution: estimation of the association parameter using ranked set sampling**
Sevil Y. C., YILDIZ T.
COMPUTATIONAL STATISTICS, vol.37, no.4, pp.1695-1726, 2022 (SCI-Expanded)

IV. **Design-based estimators of the distribution function in ranked set sampling with an application**
Sevil Y. C., YILDIZ T.
STATISTICS, vol.56, no.4, pp.891-918, 2022 (SCI-Expanded)

V. **Empirical distribution function estimators based on sampling designs in a finite population using single auxiliary variable**
YILDIZ T., Sevil Y. C.
JOURNAL OF APPLIED STATISTICS, vol.46, no.16, pp.2962-2974, 2019 (SCI-Expanded)

VI. **Performances of some goodness-of-fit tests for sampling designs in ranked set sampling**
YILDIZ T., Sevil Y. C.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.88, no.9, pp.1702-1716, 2018 (SCI-Expanded)

VII. **Power comparison of the Kolmogorov-Smirnov test under ranked set sampling and simple random sampling**
Sevil Y. C., YILDIZ T.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.87, no.11, pp.2175-2185, 2017 (SCI-Expanded)

VIII. **AN APPLICATION ON FANCY SHIRTING FABRIC PRODUCTION THROUGH DISTRIBUTION-FREE QUALITY CONTROL CHARTS**
Yildiz T., Vahaplar S. Ş.
TEKSTIL VE KONFEKSIYON, vol.25, no.2, pp.97-103, 2015 (SCI-Expanded)

IX. **Estimation and goodness-of-fit procedures for Farlie-Gumbel-Morgenstern bivariate copula of order statistics**
HÜDAVERDİ B., OzkalYildiz T.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.82, no.1, pp.137-147, 2012 (SCI-Expanded)

X. **On characterization of distributions through the properties of conditional expectations of order statistics**
Bairamov I., Ozkal T.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.36, no.7, pp.1319-1326, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. **Makine Öğrenmesinde Rasgele Oran ve Sıralı Küme Örneklemesi Yöntemlerinin Doğrusal Regresyon Modellerine Etkisi**
Aslan S., Yıldız T.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.24, no.70, pp.29-36, 2022 (Peer-Reviewed Journal)

II. **Tests of normality based on EDF statistics using partially rank ordered set sampling designs**

SEVİL Y. C., YILDIZ T.

Journal of the Turkish Statistical Association, vol.13, no.2, pp.52-73, 2021 (Peer-Reviewed Journal)

III. **Performances of the Distribution Function Estimators Based on Ranked Set Sampling Using Body Fat Data**

SEVİL Y. C., YILDIZ T.

TurkTurkiye Klinikleri Journal of Biostatistics, vol.12, no.2, pp.218-228, 2020 (Peer-Reviewed Journal)

IV. **The Calculation and Interpretation of the Entropies of the Test Result in Education**

YILDIZ T., ATEŞ U.

The Journal of International Social Research, vol.11, no.55, pp.699-705, 2018 (Peer-Reviewed Journal)

V. **5-6 Yaş Çocuklar için Felsefi Sorgulama Yoluyla Eleştirel Düşünmenin Değerlendirilmesi Ölçeğinin Geliştirilmesi**

KARADAĞ F., YILDIZ DEMİRTAŞ V., YILDIZ T.

INTERNATIONAL ONLINE JOURNAL OF EDUCATIONAL SCIENCES, vol.9, no.4, pp.1025-1037, 2017 (Peer-Reviewed Journal)

VI. **Fisher Information of Dependence in Progressive Type II Censored Order Statistics and Their Concomitants**

Yıldız T., Hüdaverdi B.

INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS & STATISTICS, vol.56, no.6, pp.1-10, 2017 (ESCI)

VII. **Characterization of Distributions by Using The Conditional Expectations of Generalized Order Statistics**

YILDIZ T., BAYRAMOĞLU İ.

Selçuk Journal of Applied Mathematics, vol.9, no.2, pp.19-27, 2008 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Literature Review of Wavelet Transform**

YILDIZ T., KURT S.

in: The Applied Brain Biophysics Uygulamali Beyin Biyofizigi ve Multidisipliner Yaklasim, , Editor, Dokuz Eylül Üniversitesi Tıp Fakültesi Yayınları, pp.215-232, 2009

Refereed Congress / Symposium Publications in Proceedings

I. **Utilizing Ranked Set Sampling with Varying Probabilities for the Nonparametric Estimation of the Distribution Function**

Yıldız T., Sevil Y. C.

10th International Conference on Advances in Statistics (ICAS 2024), Budapest, Hungary, 19 - 21 April 2024, pp.1

II. **Robust Estimation of Correlation Coefficient via Ranked Set Sampling: Application to Bivariate Normal Distribution**

Sevil Y. C., Yıldız T.

9th International Conference on Advances in Statistics, ICAS 2023, İstanbul, Turkey, 20 - 22 June 2023, pp.21

III. **Maximum likelihood estimates of dependence parameter in FGM type bivariate gamma distribution from ranked set sampling**

Sevil Y. C., Yıldız T.

2nd International E-Conference on Mathematical and Statistical Science: A Selcuk Meeting(ICOMSS23), 5 - 07 June 2023

IV. **Nonparametric estimation of distribution function using ranked set sampling with unequal probabilities**

Sevil Y. C., Yıldız T.

12th International Conference of the International Biometric Society's Eastern Mediterranean Region(EMR2023),

İzmir, Turkey, 8 - 11 May 2023

V. **Estimating the Dependence Parameter of Farlie-Gumbel-Morgenstern-Type Bivariate Gamma Distribution Using Ranked-Set Sampling**
Sevil Y. C., Yıldız T.
1st International Online Conference on Mathematics and Applications, IOCMA2023, 1 - 15 May 2023, vol.7, no.1, pp.1-7

VI. **Food Recommendation System by Alternating Least Square Method in PySpark and Diet Food Recommender by Cosine Similarity Method**
Cengiz M., YILDIZ T.
International Symposium Series on Graduate Researches 2022 (ISGR2022), İzmir, Turkey, 03 November 2022

VII. **Bootstrap Confidence Intervals for Association Parameter Based on Ranked Set Sampling**
SEVİL Y. C., YILDIZ T.
International Symposium Series on Graduate Researches 2022 (ISGR2022), İzmir, Turkey, 03 November 2022

VIII. **Estimating of the distribution function under ranked set sampling with unequal probabilities**
Sevil Y. C., Yıldız T.
12th International Statistics Days Congress (ISDC2022), İzmir, Turkey, 13 - 16 October 2022

IX. **"Estimation of the Distribution Function Using Percentile Ranked Set Sampling: Application to Body Mass Index Data**
SEVİL Y. C., YILDIZ T.
Mediterranean International Conference on Research in Applied Sciences, Antalya, Turkey, 22 April 2022

X. **Generating ranked-based samples from bivariate probability distributions in R programming language**
SEVİL Y. C., YILDIZ T.
Why R? Turkey 2022, Turkey, 15 April 2022

XI. **Estimating the Association Parameter for Gumbel's Bivariate Exponential Distribution Using Ranked Set Sampling**
SEVİL Y. C., YILDIZ T.
ICAS 2021, 7 th International Conference on Advances in Statistics, Turkey, 15 October 2021

XII. **Robust Ranked Set Sampling Methods for One-Sample t-test**
SEVİL Y. C., YILDIZ T.
6th International E-Conference on Advances in Statistics, 16-18 October 2020, Turkey, 16 October 2020

XIII. **Ranking Error Models, Cost and Optimal SetSize in Ranked Set Sampling**
AKDENİZ S., YILDIZ T.
IRSYSC2019, Kuşadası-Aydın, 18 - 20 October 2019

XIV. **Performances of the distribution function estimators based on ranked set sampling using body fat data**
SEVİL Y. C., YILDIZ T.
IRSYSC2019, Kuşadası-Aydın, 18 - 20 October 2019

XV. **Empirical Distribution Functions Based Probability Sampling Designs In Ranked Set Sampling**
SEVİL Y. C., YILDIZ T.
RAPS2019, İstanbul, 24 - 25 June 2019

XVI. **Estimation of the Distribution Function Using Percentile Ranked Set Sampling**
SEVİL Y. C., YILDIZ T.
4th International Researchers, Statisticians and Young StatisticiansCongress, 28 - 30 April 2018

XVII. **Empirical Distribution Functions under DifferentSampling Designs in Partially Rank-Ordered Sets**
SEVİL Y. C., YILDIZ T.
International Conference on Computational and Statistical Methods in Applied Sciences, 9 - 11 November 2017

XVIII. **Power Comparisons of Several Goodness of fit Testsunder Ranked Set Sampling and Simple Random Sampling**
SEVİL Y. C., YILDIZ T.
14. Applied Statistics 2017, 24 - 27 September 2017

XIX. **On Dependence Parameters for Some Copula Models ofProgressive Type II Censored Order Statistics and Their Concomitants**
YILDIZ T., ÜÇER B.
European Meeting of Statisticians, Amsterdam, Netherlands, 6 - 10 July 2015, pp.125-126

XX. **Fisher Information in Progressive Type II Censored Order Statistics and Their Concomitants about Dependence Parameters**
YILDIZ T., ÜÇER B.
Ordered Data Analysis, Models and Health Research Methods: An International Conference in Honor of H.N. Nagaraja for His 60th Birthday, 7 - 09 March 2014, pp.31

XXI. **Fisher Information in Farlie Gumbel Morgenstern Bivariate Copula of Progressive Type II Censored Order Statistics and Their Concomitants**
YILDIZ T., ÜÇER B.
Tenth International Conference on Ordered Statistical Data and Their Applications, Spain, 23 - 25 May 2012, pp.50

XXII. **Estimation and Goodness of Fit Procedures for Farlie Gumbel Morgenstern Bivariate Copula of Order Statistics**
ÜÇER B., YILDIZ T.
International Conference on Advances in Probability and Statistics-Theory and Applications, Hong Kong, 28 - 31 December 2011, pp.111

XXIII. **An Application on an Order Statistics Based Distribution Free Control Chart**
YILDIZ T., ŞAHAN VAHAPLAR S.
2nd International Symposium on Computing in Science Engineering, Aydın Kuşadası, Turkey, 1 - 04 June 2011, pp.1299-1303

XXIV. **An Inference Procedure for Bivariate Copula of Order Statistics**
ÜÇER B., YILDIZ T.
1st International Symposium on Computing in Science and Engineering, Aydın, Turkey, 3 - 05 June 2010, pp.1197-1202

XXV. **Wavelet Transform**
YILDIZ T., KURT S.
Genç Bilim İnsanları ile Beyin Biyofiziği II. Çalıştayı, İzmir, Turkey, 21 - 23 February 2008, pp.84

XXVI. **On Caharacterization of Distributions Through the Properties of Conditional Expectations of Generalized Order Statistics**
YILDIZ T., BAYRAMOĞLU İ.
5. İstatistik Kongresi ve Risk Ölçümleri ve Yükümlülük Toplantısı, Antalya, Turkey, 20 - 24 May 2007, pp.665-671

XXVII. **On Caharacterization of Distributions by Properties of Conditional Expectations of Progressive Type II censored order statistics**
BAYRAMOĞLU İ., YILDIZ T.
Ordered Statistical Data: Approximations, Bounds and Characterizations, İzmir, Turkey, 15 - 18 June 2005, pp.49

XXVIII. **Distributions of Non adjacent Progressive Type II Right Censored Order Statistics**
YILDIZ T., BAYRAMOĞLU İ.
Ordered Statistical Data: Approximations, Bounds and Characterizations, Varşova, Poland, 24 - 28 May 2004, pp.34

XXIX. **Kapasiteli Ulaştırma Modeli Ve Bir Uygulama**
YILDIZ T., MORALI N.
İstatistik Araştırma Sempozyumu, Ankara, Turkey, 10 - 12 December 2003, pp.79-80

Supported Projects

Scientific Refereeing

STATISTICS AND COMPUTING, SCI Journal, July 2022
COMMUNICATIONS IN STATISTICS -THEORY AND METHODS, SCI Journal, November 2021
İstatistik. Türk İstatistik Derneği Dergisi, Other journals, November 2021
STATISTICAL PAPERS, SCI Journal, August 2021
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, SCI Journal, August 2020
COMMUNICATIONS IN STATISTICS -THEORY AND METHODS, SCI Journal, May 2019
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, SCI Journal, May 2019

Tasks In Event Organizations

Yıldız T., International Statistics Days Conference ISDC XII 2022, Scientific Congress, İzmir, Turkey, Kasım 2022
Hüdaverdi B., Yıldız T., FIRST INTERNATIONAL BILATERAL WORKSHOP ON SCIENCE BETWEEN DOKUZ EYLÜL UNIVERSITY AND AZERBAIJAN NATIONAL ACADEMY OF SCIENCES, Workshop Organization, İzmir, Turkey, Kasım 2021
Hüdaverdi B., Yıldız T., 4. INTERNATİONAL RESEARCHERS, STATİSTİCİANS AND YOUNG STATİSTİCİANS CONGRESS, Scientific Congress, İzmir, Turkey, Nisan 2018
Yıldız T., International Conference Ordered Statistical Data: Approximations, Bounds and Caharacterizations, Scientific Congress, İzmir, Turkey, Haziran 2005

Metrics

Publication: 47
Citation (WoS): 37
Citation (Scopus): 34
H-Index (WoS): 4
H-Index (Scopus): 3