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Address: Van Yüzüncü Yıl Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü, 65080 Van, Türkiye

International Researcher IDs

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Publons / Web Of Science ResearcherID: B-9217-2013

ScopusID: 56340133500

Yoksis Researcher ID: 205861

Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2011 - 2015

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2009 - 2011

Undergraduate, Eskisehir Osmangazi University, Fen Edebiyat Fakültesi, İstatistik, Turkey 2005 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Tam ve sansürlü örneklem için deney tasarımı model parametrelerinin dayanıklı tahmini, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, İstatistik Teorisi, 2015

Postgraduate, Ordinal değişkenli yapısal eşitlik modellerinde kullanılan parametre tahmin yöntemlerinin karşılaştırılması, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, İstatistik Bilgi Sistemleri, 2011

Research Areas

Statistics

Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yıl University, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü, 2022 - Continues

Assistant Professor, Van Yüzüncü Yıl University, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü, 2018 - 2022

Research Assistant PhD, Eskisehir Osmangazi University, Fen Edebiyat Fakültesi, İstatistik, 2015 - 2018

Research Assistant, Eskisehir Osmangazi University, Fen Edebiyat Fakültesi, İstatistik, 2009 - 2015

Academic and Administrative Experience

Academic Visitor, Brunel University, College of Engineering, Design and Physical Sciences, Mathematics, 2023 - 2024
Guest Researcher, Universidade Nova de Lisboa, Research Center Of Mathematics And Applications, 2015 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Oestrogen and progesterone concentrations in intrapartum cows with insufficient cervix dilation**
Sendag S., Koca D., Arslan T., Schuler G., Wehrend A.
Reproduction in Domestic Animals, vol.59, no.6, 2024 (SCI-Expanded)
- II. **Evaluation of serum anti-Müllerian hormone concentrations following treatment with vitamin D in Holstein Friesian heifers**
Koca D., Nak Y., Sendag S., Nak D., Avclar T., Sahin M. E., Arslan T., Ozyigit M. O., Wehrend A.
Reproduction in Domestic Animals, vol.58, no.12, pp.1695-1701, 2023 (SCI-Expanded)
- III. **A versatile model for lifetime of a component under stress**
Almuhayfith F. E., Arslan T., Bakouch H. S., Alnaghmosh A. M.
Scientific reports, vol.13, no.1, pp.20202, 2023 (SCI-Expanded)
- IV. **Effect of uterine torsion intrapartum on concentrations of placental estrogens and progesterone in cattle**
Sendag S., Sickinger M., Arslan T., Schuler G., Wehrend A.
Veterinary Medicine and Science, vol.9, no.4, pp.1764-1770, 2023 (SCI-Expanded)
- V. **Modified minimum distance estimators: definition, properties and applications**
Arslan T., Acitas S., ŞENOĞLU B.
COMPUTATIONAL STATISTICS, vol.37, no.4, pp.1551-1568, 2022 (SCI-Expanded)
- VI. **An alpha-Monotone Generalized Log-Moyal Distribution with Applications to Environmental Data**
Arslan T.
MATHEMATICS, vol.9, no.12, 2021 (SCI-Expanded)
- VII. **PARAMETER ESTIMATION FOR THE TWO-PARAMETER MAXWELL DISTRIBUTION UNDER COMPLETE AND CENSORED SAMPLES**
Arslan T., Acitas S., ŞENOĞLU B.
REVSTAT-STATISTICAL JOURNAL, vol.19, no.2, pp.237-253, 2021 (SCI-Expanded)
- VIII. **Inverted Kumarswamy distribution for modeling the wind speed data: Lake Van, Turkey**
Bağcı K., Arslan T., Çelik H. E.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.135, 2021 (SCI-Expanded)
- IX. **Type II Censored Samples in Experimental Design Under Jones and Faddy's Skew t Distribution**
Arslan M. S. T., Senoglu B.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.42, pp.2145-2157, 2018 (SCI-Expanded)
- X. **Generalized Lindley and Power Lindley distributions for modeling the wind speed data**
Arslan T., Acitas S., Senoglu B.
ENERGY CONVERSION AND MANAGEMENT, vol.152, pp.300-311, 2017 (SCI-Expanded)
- XI. **An alternative distribution to Weibull for modeling the wind speed data: Inverse Weibull distribution**
Akgul F. G., Senoglu B., Arslan T.
ENERGY CONVERSION AND MANAGEMENT, vol.114, pp.234-240, 2016 (SCI-Expanded)
- XII. **The Importance of the Chosen Technique to Estimate Diffuse Solar Radiation by Means of Regression**
Arslan T., Yavuz A. A., Acikkalp E.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.12, no.1, pp.23-27, 2015 (SCI-Expanded)
- XIII. **Comparative study of numerical methods for determining Weibull parameters for wind energy**

potential

Arslan T., Bulut Y. M., Yavuz A. A.

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.40, pp.820-825, 2014 (SCI-Expanded)

- XIV. **The effects of mothers' educational levels on university students' environmental protection commitments and environmental behaviors** Üniversite öğrencilerinin çevre korumaya ilişkin vaatleri ile çevresel davranışlarında anne eğitim düzeyinin etkisi
Saraçlı S., Yılmaz V., Arslan T.
Eğitim Arastirmalari - Eurasian Journal of Educational Research, no.55, pp.177-200, 2014 (SCI-Expanded)
- XV. **Structural Equation Model for Environmentally Conscious Purchasing Behavior**
Arslan T., Yılmaz V., Aksoy H. K.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.6, no.1, pp.323-334, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **A new family of unit-distributions: definition, properties and applications**
ARSLAN M. S. T.
Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, vol.13, no.2, pp.782-791, 2023 (ESCI)
- II. **Alpha Power Inverted Kumaraswamy Distribution: Definition, Different Estimation Methods and Application**
Bağcı K., Erdoğan N., Arslan T., Çelik H. E.
PAKISTAN JOURNAL OF STATISTICS AND OPERATION RESEARCH, vol.18, no.1, pp.13-25, 2022 (ESCI)
- III. **Alpha power Maxwell distribution: Properties and application**
Erdoğan N., Bağcı K., Arslan T., Çelik H. E.
Journal of Mathematical Modelin, vol.9, no.4, pp.585-598, 2021 (Scopus)
- IV. **A comparison of the different estimation methods for the parameters of the Weibull Lindley distribution**
Acıtaş Ş., Arslan T.
Eskişehir Technical University Journal of Science and Technology B - Theoretical Sciences, vol.8, no.1, pp.19-33, 2020 (Peer-Reviewed Journal)
- V. **Slash Maxwell Distribution: Definition, Modified Maximum Likelihood Estimation and Applications**
Acıtaş S., Arslan T., ŞENOĞLU B.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.33, no.1, pp.249-263, 2020 (ESCI)
- VI. **ESTIMATION OF THE LOCATION AND SCALE PARAMETERS OF MOYAL DISTRIBUTION**
Arslan T., Acıtaş S., ŞENOĞLU B.
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, vol.10, no.4, pp.1135-1144, 2020 (ESCI)
- VII. **Antenna and mouthpart defect in Chironomus (Camptochironomus) tentans larvae (Chironomidae) and their relevance with habitat characteristics**
ARSLAN N., MERCAN D., akkan kökçü c., ARSLAN M. S. T.
BioDiCon, vol.11, no.2, pp.180-189, 2018 (Peer-Reviewed Journal)
- VIII. **Çift taraflı tip II sanürlenmiş örneklem için Jones ve Faddy'nin çarpık t dağılımının konum ve ölçek parametrelerinin tahmini**
Arslan T., SENOGLU B.
ANADOLU ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ: B-TEORİK BİLİMLER, vol.5, no.1, pp.100-110, 2017 (Peer-Reviewed Journal)
- IX. **Cadmium and nickel accumulation water, sediment and tissues of Esox Lucius in lake Büyükgöl, Turkey**
Aras S., Arslan N., Emiroğlu Ö., Arslan T.
JOURNAL OF APPLIED BIOLOGICAL SCIENCES, vol.9, no.1, pp.64-68, 2015 (Peer-Reviewed Journal)
- X. **Examination of satisfaction from family medicine by structural equation modeling: The example of**

Turkey

Çelik H. E., Arslan T., Yılmaz V.

AFRICAN JOURNAL OF BUSINESS MANAGEMENT, vol.6, no.9, pp.3283-3287, 2012 (Peer-Reviewed Journal)

- XI. **Üniversite öğrencilerinin çevre koruma vaatleri ve çevre dostu tüketim davranışlarının incelenmesi**
Yılmaz V., Arslan T.
ANADOLU ÜNİVERSİTESİ SOSYAL BİLİMLER DERGİSİ, vol.11, no.3, pp.1-10, 2011 (Peer-Reviewed Journal)
- XII. **Üniversite öğrencilerinin çevresel duyarlılıkları ile çevresel davranışlarının yapısal eşitlik modeliyle araştırılması**
Yılmaz V., Yıldız Z., Arslan T.
DUMLUPINAR ÜNİVERSİTESİ SOSYAL BİLİMLER DERGİSİ, vol.30, pp.271-278, 2011 (Peer-Reviewed Journal)
- XIII. **Enerji çeşitleri ve geri dönüşüme karşı tutumların çevresel davranışa etkisi**
Yılmaz V., Çelik H. E., Arslan T.
FIRAT ÜNİVERSİTESİ SOSYAL BİLİMLER DERGİSİ, vol.20, no.2, pp.323-342, 2010 (Peer-Reviewed Journal)
- XIV. **Müşterilerin kredi kartına olan tutumlarının çoklu regresyon ve faktör analizi ile incelenmesi**
Yılmaz V., Aktaş C., Arslan T.
BALIKESİR ÜNİVERSİTESİ SOSYAL BİLİMLER ENSTİTÜSÜ DERGİSİ, vol.12, no.22, pp.127-139, 2009 (Peer-Reviewed Journal)

Books & Book Chapters

I. An extension of the inverse Gaussian distribution

ARSLAN M. S. T.

in: Modeling and Advance Techniques in Modern Economics, Çağdaş Hakan Aladağ, Nihan Potas, Editor, World Scientific, pp.211-219, 2022

Refereed Congress / Symposium Publications in Proceedings

I. An Extension of the Maxwell Distribution: Properties and Application

Erdoğan N., Arslan T., Bağcı K.

International Conference on Data Science, Machine Learning and Statistics - 2019 (DMS-2019), Van, Turkey, 26 - 29 June 2019, pp.69

II. ALPHA POWER INVERTED KUMARASWAMY DISTRIBUTION: PROPERTIES AND APPLICATION

Bağcı K., Erdoğan N., Arslan T., Çelik H. E.

THE FOURTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES (CMES-2019), ANTALYA, 20-22 APRIL 2019, Antalya, Turkey, 20 - 22 April 2019, pp.251

III. Investigating the performances of new estimators of ridge parameter k using ridge-type MML estimator

ACITAS S., SENOGLU B., Arslan T.

Data Science, Statistics and Visualisation, Wien, Austria, 9 - 11 July 2018, pp.28

IV. Estimating the parameters of truncated Jones and Faddy's skew t distribution

Arslan T., SENOGLU B.

International Conference on Applied Mathematics in Engineering, Balikesir, Turkey, 27 - 29 June 2018, pp.125

V. Linear contrasts in one-way ANOVA under type II censored samples when the distribution of the error terms is non-identical Jones and Faddy's skew t

Arslan T., ACITAS S., SENOGLU B.

4th International Researchers, Statisticians and Young Statisticians Congress, İzmir, Turkey, 28 - 30 April 2018, pp.53

VI. Scale mixture extension of the Maxwell distribution: Properties, estimation and application

Acıtaş Ş., Arslan T., SENOGLU B.

10th International Statistics Congress, Ankara, Turkey, 6 - 08 December 2017, pp.54

- VII. **Modeling extreme wind speed data: Case study for Eskisehir, Turkey.**
ACITAS S., Arslan T., SENOGLU B.
International Conference on Computational and Statistical Methods in Applied Sciences, Samsun, Turkey, 9 - 11 November 2017, pp.217
- VIII. **Estimating the location and scale parameters of the Maxwell distribution**
Arslan T., Acıtaş Ş., SENOGLU B.
Data Science, Statistics and Visualisation, Lisboa, Portugal, 12 - 14 July 2017, pp.59
- IX. **Linear contrasts in one-way ANOVA with non-identical and non-normal error distributions**
Arslan T., Acıtaş Ş., SENOGLU B.
3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, pp.248
- X. **Investigation of factors causing formation of kidney stones via structural equation modeling**
Günay F., Güllü Kaymaz Ö., Arslan T.
3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, pp.273
- XI. **Estimation of the parameters in one-way ANOVA under type II censored samples**
Arslan T., SENOGLU B.
3rd International Researchers, Statisticians and Young Statisticians Congress, Konya, Turkey, 24 - 26 May 2017, pp.249
- XII. **Statistical inference for the location model when the distribution of the error terms is Jones and Faddy's skew t: Type II censored samples**
Arslan T., SENOGLU B.
International Conference on Trends and Perspectives in Linear Statistical Inference, İstanbul, Turkey, 22 - 25 August 2016, pp.28
- XIII. **Parameter estimation of Weibull distribution via linear regression**
YAVUZ A. A., Arslan T., BULUT Y. M.
8th International Symposium of Statistics, Eskişehir, Turkey, 11 - 13 October 2013, pp.393-394
- XIV. **Importance of examining Weibull distribution fitting in determining wind power**
Arslan T., Açıkcalp E., Aras H., Yılmaz V.
10th International Conference on Sustainable Energy Technologies, İstanbul, Turkey, 4 - 07 September 2011, pp.1-4
- XV. **Akademisyenlerin internet bankacılığı ile ilgili tutumları: Yapısal eşitlik modeli uygulaması**
Arslan T., Şen R., Yılmaz V.
12th International Symposium on Econometrics, Statistisc and Operations Research, Denizli, Turkey, 26 - 29 May 2011, pp.263
- XVI. **Öğrencilerin üniversiteden memnuniyetlerinin faktör analizi ve uyum analizi ile incelenmesi**
BULUT Y. M., Arslan T., Yıldız Z.
12th International Symposium on Econometrics, Statistisc and Operations Research, Denizli, Turkey, 26 - 29 May 2011, pp.278
- XVII. **Üniversite öğrencilerinin doğayı korumaya söz verme düzeylerinin faktör analizi ve uyum analizi ile incelenmesi**
Yılmaz V., Arslan T., Şen R.
Ekoloji 2011, Düzce, Turkey, 5 - 07 May 2011, pp.148
- XVIII. **Doğal doğu kayını (fagus orientalist Lipsky) gençliklerine ait bazı büyüme değişkenleri arasındaki nedensel ilişkilerin path analizi ile incelenmesi**
Özel H. B., Arslan T.
Ekoloji-2011, Düzce, Turkey, 5 - 07 May 2011, pp.58
- XIX. **Chironomidae (Chironomus tentas) larvaları kafa kapsülündeki deformiteler**
Arslan N., Akkan C., Arslan T.
Ekoloji 2011, Düzce, Turkey, 5 - 07 May 2011, pp.50

- XX. **The comparison of the parameter estimation methods' effect on computation wind energy potential**
Arslan T., YAVUZ A. A., ACIKKALP E.
International 7th Statistics Congress, Antalya, Turkey, 28 April - 01 May 2011, pp.342-343
- XXI. **Examination of effect job satisfaction on burnout with structural equation model (SEM)**
Şen R., Arslan T., Yılmaz V., Aktaş C.
International 7th Statistics Congress, Antalya, Turkey, 28 April - 01 May 2011, pp.294-295
- XXII. **Hastane memnuniyetini etkileyen faktörlerin yapısal eşitlik modeli ile incelenmesi**
Arslan T., Çoşkun D., Yılmaz V., Yıldız Z.
11. Ekonometri ve İstatistik Sempozyumu, Sakarya, Turkey, 28 - 30 May 2010, pp.723-740
- XXIII. **Çevre öncelikli olmayan tutum ve davranışların ekolojik ürün satın alma davranışına etkisi: Bir yapısal eşitlik model önerisi**
Yılmaz V., Çelik H. E., Arslan T.
IX. Ekoloji ve Çevre Kongresi, Nevşehir, Turkey, 7 - 10 October 2009, pp.96

Supported Projects

Çelik H. E., Uludağ F., Çavuş H., Şensoy S., Tanhan F., Hamzadayı A., Van M. H., Canayaz M., Özdağ R., ÇELİK İ., et al., Project Supported by Higher Education Institutions, Uluslararası Veri Bilimi Makine Öğrenme ve İstatistik Konferansı DMS2019, 2019 - 2019

Tasks In Event Organizations

Arslan T., Data Science, Machine Learning and Statistics, Scientific Congress, Van, Turkey, Haziran 2019
Arslan T., 10th International Statistics Congress, Scientific Congress, Ankara, Turkey, Aralık 2017

Metrics

Publication: 54
Citation (WoS): 236
Citation (Scopus): 416
H-Index (WoS): 5
H-Index (Scopus): 6

Non Academic Experience

Technical University of Liberec, 22-26 Ocak 2018
Research Center, the Centro de Matematica e Aplicações of Universidade Nova de Lisboa (CMA/FCT/UNL), 16 Nisan 2015 - 31 Temmuz 2015.
Research Center, the Centro de Matematica e Aplicações of Universidade Nova de Lisboa (CMA/FCT/UNL), 6-12 Kasım 2014