

Prof. DENİZ ÜNAL

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International Researcher IDs

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Publons / Web Of Science ResearcherID: W-4802-2017

ScopusID: 26428632600

Yoksis Researcher ID: 104413

Education Information

Doctorate, Cukurova University, Fen Edebiyat Fakültesi/Fen Bilimleri Enstitüsü/İstatistik , İstatistik/Uygulamalı İstatistik, Turkey 2003 - 2006

Postgraduate, Ihsan Dogramaci Bilkent University, Fen Fakültesi/Mühendislik Ve Fen Bilimleri/Matematik, Matematik, Turkey 2000 - 2002

Undergraduate, Marmara University, Ataturk Faculty Of Education, Matematik Eğitimi, Turkey 1993 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Stein-rule Tahmin Edicilerin Kayıp Fonksiyonları Ölçütüne göre Uygunluğunun İncelenmesi, Cukurova University, İstatistik, İstatistik Teorisi, 2006

Postgraduate, Limiting Gibbs Measures of Some Models of Classical Statistical Mechanics, Ihsan Dogramaci Bilkent University, Fen Fakültesi, Matematik, 2002

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, İstatistik, 2021 - Continues

Associate Professor, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2013 - 2021

Assistant Professor, Cukurova University, Fen Bilimleri Enstitüsü, İstatistik, 2006 - 2012

Academic and Administrative Experience

Cukurova University, Sivil Havacılık Yüksekokulu, Hava Trafik Kontrol, 2015 - Continues

Advising Theses

Ünal D., BÜYÜME MODELLERİNE YAKLAŞIMLAR VE YENİ BÜYÜME MODELLERİ, Doctorate, B.ÇIĞŞAR(Student), 2022

ÜNAL D., GOMPERTZ MODELİ, PARAMETRE TAHMİNLERİ ve UYGULAMALARI, Postgraduate, M.Genç(Student), 2014

ÜNAL D., BANKALARIN KREDİ RİSKİ DEĞERLENDİRMESİ VE ALTERNATİF UYGULAMA YÖNTEMİ, Postgraduate, H.Aydoğdu(Student), 2014

ÜNAL D., Finansal Risk Analizinde Karma Dağılım Modelleri, Postgraduate, K.Koçak(Student), 2012

ÜNAL D., Risk Analizi ve Havacılık Sektöründe Kaza Risklerinin Değerlendirilmesi, Postgraduate, İ.Üçkardeş(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Accelerating the premiums for annuities, life annuities and life insurance**
ALPMAN B., ÜNAL D.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.49, no.7, pp.1665-1694, 2019 (SCI-Expanded)
- II. **Comparison of Data Mining Classification Algorithms Determining the Default Risk**
Cigsar B., ÜNAL D.
SCIENTIFIC PROGRAMMING, vol.2019, 2019 (SCI-Expanded)
- III. **The Effect of Gender and Gender-Dependent Factors on the Default Risk**
Cigsar B., ÜNAL D.
REVISTA DE CERCETARE SI INTERVENTIE SOCIALA, vol.63, pp.28-41, 2018 (SSCI)
- IV. **DETERMINATION OF VARIABLES IN CALCULATION OF CREDIT SCORE IN TURKEY TO DECREASE DEFAULT RISK**
Aydoğdu H., ÜNAL D.
Journal of Global Economics, MANAGEMENT SCIENCE, vol.5, no.1, pp.73-83, 2015 (AHCI)
- V. **Comparison of the Iterative Stein-Rule and the Usual Estimators of the Disturbance Variance Under the Pitman Nearness Criterion in a Linear Regression Model with Proxy Variables**
ÜNAL D., YÜKSEL G.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.42, no.8, pp.1531-1541, 2013 (SCI-Expanded)
- VI. **SHRINKAGE PRE-TEST ESTIMATOR OF THE UNIVARIATE NORMAL MEAN**
Yüksel G., Billor N., Ünal D.
PAKISTAN JOURNAL OF STATISTICS, vol.26, no.3, pp.461-477, 2010 (SCI-Expanded)
- VII. **The effects of the proxy information on the iterative Stein-rule estimator of the disturbance variance**
Unal D.
STATISTICAL PAPERS, vol.51, no.2, pp.477-484, 2010 (SCI-Expanded)
- VIII. **COMPARISON OF THE ITERATIVE STEIN-RULE AND THE USUAL ESTIMATORS OF THE ERROR VARIANCE UNDER THE PITMAN NEARNESS CRITERION**
ÜNAL D., YÜKSEL G.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.38, no.3, pp.351-356, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Advantages of Artificial Neural Networks to Give Length-Weight Relations and Comparison of Growth**
Çığışar B., Yeldan H., Ünal D.
International Journal of Ecological Economics and Statistics, vol.43, no.2, pp.1-12, 2022 (ESCI)
- II. **The Advantages of Artificial Neural Networks to Give Length-Weight Relations and Comparison of Growth**
Cigsar B., YELDAN H., ÜNAL D.
INTERNATIONAL JOURNAL OF ECOLOGICAL ECONOMICS & STATISTICS, vol.43, no.2, pp.35-48, 2022 (ESCI)
- III. **Generalized Modified Levakovic (GLM) Growth Function**
Ünal D.
International Journal of Aquatic Biology, vol.9, no.3, pp.214-217, 2021 (Scopus)
- IV. **L-MMH: An Improved and Novel Model for Growth**
Ünal D.
Journal of Computer Science and Applied Mathematics, vol.3, no.1, pp.17-22, 2021 (Peer-Reviewed Journal)
- V. **Artificial neural networks and genetic algorithm approach to determine lengthweight, length frequency relationships of Lessepsian crab, Charybdis (Gonihellenus) longicollis, Leene, 1938 in the Iskenderun Bay, Turkey.**
Çığışar B., ÜNAL ÖZPALAMUTCU D., TÜRELİ BİLEN C.
Acta Biologica Turcica, 2021 (Peer-Reviewed Journal)
- VI. **MOBING AND SEXISM IN THE ACADEMIA: THE CASE OF ÇUKUROVA UNIVERSITY**
DAĞLIOĞLU C., ÜNAL ÖZPALAMUTCU D.
The Academic Elegance, 2020 (Peer-Reviewed Journal)
- VII. **Gompertz, logistic and brody functions to model the growth of fish species Siganus rivulatus**
ÜNAL D., Ergüç D., Gül E., YELDAN H., Adıyan M.
Acta Biologica Turcica, vol.31, no.1, pp.140-145, 2017 (Scopus)
- VIII. **Examining the Conditions that will strengthen the Success of the Iterative Stein-Rule Estimator of The Disturbance Variance in Proxy Model**
ÜNAL D.
PAKISTAN JOURNAL OF STATISTICS AND OPERATION RESEARCH, vol.13, no.1, pp.91-101, 2017 (ESCI)
- IX. **Matematiğin büyüü denize keyifle dalabilmek felsefe solungaçları ile mümkünmüdür**
ÜNAL ÖZPALAMUTCU D.
Düşünbil Felsefe Dergisi, vol.10, no.56, pp.60-62, 2016 (Non Peer-Reviewed Journal)
- X. **HAVACILIKTA İNSAN KAYNAKLI KAZALAR: HAVA TRAFİK KONTROLÖRLERİNİN KAZALARDAKİ ETKİSİ**
ÜNAL D., Coşkun H. İ., ÖZÇİÇEK DÖLEKOĞLU C., Korkmaz O.
the journal of academic social science, vol.4, no.27, pp.415-430, 2016 (Peer-Reviewed Journal)
- XI. **Havacılıkta İnsan Kaynaklı Kazalar Hava Trafik Kontrollerinin Kazalardaki Etkisi**
ÜNAL ÖZPALAMUTCU D., Coşkun h. i., ÖZÇİÇEK DÖLEKOĞLU C., Korkmaz O.
The journal of academic social science, vol.4, no.27, pp.415-430, 2016 (Peer-Reviewed Journal)
- XII. **Havacılıkta insan kaynaklı kazalar Hava Trafik kontrolörlerinin kazalardaki etkisi**
ÜNAL ÖZPALAMUTCU D., Coşkun H. İ., ÖZÇİÇEK DÖLEKOĞLU C., Korkmaz O.
ASOS journal, 2016 (Peer-Reviewed Journal)
- XIII. **Determination of Variables in Calculation of Credit Score in Turkey to Decrease Default Risk**
Aydoğdu H., ÜNAL ÖZPALAMUTCU D.
Journal of Global Economics, Management and Business Research, vol.5, no.1, pp.73-83, 2015 (Peer-Reviewed Journal)
- XIV. **Risk Analysis and Accident Risk Assessment for the Aviation Sector**
ÜÇKARDEŞ İ., ÜNAL ÖZPALAMUTCU D., ÇALIŞ N., ANTMEN Z. F.
International Journal of Applied Mathematics and Statistics, vol.47, no.17, 2013 (ESCI)
- XV. **Mixture distribution Approach in Financial Risk analysis 8th Word Congress in Probability and Statistics**

Books & Book Chapters

- I. **Makro Sosyo- Ekonomik Göstergelerle Ülkeler Arası Covid 19 Farklılıklar**
ÖZÇİÇEK DÖLEKOĞLU C., ÜNAL ÖZPALAMUTCU D.
in: "Covid-19 Pandemi Gölgesinde Uluslararası İşletmecilik, Finans, Ticaret ve Sigortacılık (Teori, Uygulama ve Tarihi Perspektif)", , Editor, Efe Akademi, pp.305-327, 2021
- II. **Akademik Yaşamda Cinsiyetçilik**
ÜNAL D.
in: Yönetim ve organizasyon makaleleri: KADIN AKADEMİSYENLERE ARMAĞAN KİTABI, Kaygısız, E.K.; Wolf, R.A., Editor, Eğitim Yayınevi, Konya, pp.411-431, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **A comprehensive Approach to Virus Spread by Novel Growth Model: CSG.**
ÜNAL ÖZPALAMUTCU D., Çığşar B.
5.th Int. Conf. on Covid 19 Studies .Ankara. 24-25 Sept. 2021, 24 September 2021
- II. **A COMPARISON OF GENETIC ALGORITHM AND LEAST SQUARES ERROR METHODS FOR L-MMH MODEL VIA GLUCOSE DATA.**
ÜNAL ÖZPALAMUTCU D., Çığşar B.
Middle East Int. Conf. On Contemporary Sci. Studies, Beirut-Lebanon, 01-03 November, 2021, 03 November 2021
- III. **CSG: Towards A Comprehensive Model of Growth.**
Ünal D., Çığşar B.
Online International Conference on Applied Analysis and Mathematical Modellng, İstanbul, Turkey, 11 - 13 June 2021, pp.130-135
- IV. **Matematik ve Felsefe üzerine**
ÜNAL ÖZPALAMUTCU D.
Değişen dünyada Matematik ve Matematik Eğitimi, Turkey, 7 - 08 April 2018
- V. **Akademide Mobbing ve Cinsiyetçilik**
Dağhoğlu C., ÜNAL ÖZPALAMUTCU D.
1. Uluslararası Kadın Araştırmaları Sempozyumu, 13 - 14 October 2017
- VI. **Tarihteki Bilim Kadınlarının Varoluş Mücadelesi**
Olgun D., Emine Y., ÜNAL ÖZPALAMUTCU D.
1. Uluslararası Kadın Araştırmaları Sempozyumu., 13 - 14 October 2017
- VII. **Kadının Temerrüt Riskini Azaltmadaki Rolü**
Çığşar B., ÜNAL ÖZPALAMUTCU D.
1. Uluslararası Kadın Araştırmaları Sempozyumu, 13 - 14 October 2017
- VIII. **Akademik Yaşamda Cinsiyetçilik**
ÜNAL ÖZPALAMUTCU D.
1. Uluslararası Kadın Araştırmaları Sempozyumu, 13 - 14 October 2017
- IX. **Bankacılık ve Sigortacılık Risklerinin Belirlenmesinde Veri Madenciliği Sınıflandırma Algoritmaları**
Çığşar B., ÜNAL ÖZPALAMUTCU D.
3. Ulusal Sigorta ve Aktüerya Kongresi, Turkey, 28 - 29 September 2017
- X. **Comparison of Data Mining Algorithms to Determine the Default Risk**
Çığşar B., ÜNAL ÖZPALAMUTCU D.
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 3 - 07 July 2017
- XI. **Examining the Conditions that will Strengthen the Success of the Iterative Stein rule Estimator of the**

Disturbance Variance in Proxy Model

ÜNAL ÖZPALAMUTCU D.

International Conference on Mathematics, Statistics and Biostatistics, 25 - 26 May 2017

- XII. **Analysing the Iterative Stein Type Estimators**
ÜNAL ÖZPALAMUTCU D.
IV. Kadın Matematikçiler Derneği Çalıştayı, 28 - 29 April 2017
- XIII. **Iterative Stein-rule Esitimator of the Disturbance Variance in Proxy Models**
ÜNAL ÖZPALAMUTCU D.
ICMS: 18th International Conference on Mathematics and Statistics, 24 - 25 October 2016
- XIV. **Variance of the Proxy Iterative SR Estimator**
ÜNAL ÖZPALAMUTCU D.
III.Kadın Matematikçiler Çalıştayı, 26 May - 29 June 2016
- XV. **The Performance of the Iterative Stein rule estimator of the disturbance variance**
ÜNAL ÖZPALAMUTCU D., Alpman B.
2.international researhes statisticians and young statisticians congress, 4 - 06 May 2016
- XVI. **The Types of Annuities with Flexsible Premium**
burcu A., ÜNAL ÖZPALAMUTCU D.
17th International Conference on Economics and Finance, 26 - 27 October 2015
- XVII. **Rantlar için Farklı Ödeme Planları**
Alpman B., ÜNAL ÖZPALAMUTCU D.
2. Ulusal Sigorta ve Aktüerya Kongresi, Turkey, 17 - 19 September 2015
- XVIII. **Gompertz,Richards, Von Bertalanfy ve Lojistik Modellerin Parametre Tahmininine Etkileri**
ÜNAL D., YELDAN H.
18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015, vol.1, no.1, pp.405
- XIX. **Proposing a Growth Model Which is Suitable for the Fish Lengths**
ÜNAL ÖZPALAMUTCU D., YELDAN H.
IECMSA-2014 3nd Int. Eurasian Conf. On. Math. Sci. And Applications, 26 - 27 August 2014
- XX. **A Method For Estimation Of Parameters In Competing Hazard Model**
GENÇ M., ÜNAL D.
9-Th International Statistics Day Symposium, Antalya, Turkey, 10 - 14 May 2014, pp.31
- XXI. **Temerrüt Riski**
Aydoğdu H., Seçilmiş D., Menetlioğlu M., ÜNAL ÖZPALAMUTCU D.
1. Ulusal Sigorta ve Aktüerya Kongresi, Turkey, 6 - 07 June 2013
- XXII. **Temerrüt Riskini Azaltmak için Kredi Kullanıcılarının Skorlanmasında Kullanılacak Değişkenlerin Belirlenmesi**
Aydoğdu H., ÜNAL ÖZPALAMUTCU D.
Uluslararası İstanbul Finans Kongresi, 30 - 31 May 2013
- XXIII. **Mixture distributionApproach in Financial Risk analysis**
Koçak K., ÇALIŞ N., ÜNAL ÖZPALAMUTCU D.
8th Word Congress in Probability and Statistics, 9 - 14 July 2012
- XXIV. **Risk Analysis and Risk Assessment for Aviation Sector**
Üçkardeş İ., ÇALIŞ N., ÜNAL ÖZPALAMUTCU D.
8th International Symposium of Statistics, 9 - 14 July 2012
- XXV. **Vekil Değişken Kullanılan Lineer Regresyon Modelinde Varyansın Alışılmış Tahmin Edicisi ile Yinelenmiş Stein-rule Tahmin Edicisinin Pitman Yakınlık Ölçütüne Göre Karşılaştırılması**
ÜNAL ÖZPALAMUTCU D., YÜKSEL G.
7. İstatistik Günleri Sempozyumu, Ankara, Turkey, 28 - 30 June 2010
- XXVI. **Comparison of the Iterative Stein rule and the usual estimators of the error variance under the Pitman nearness criterion**
ÜNAL ÖZPALAMUTCU D., YÜKSEL G.
ICORS-08 International Conference on Robust Statistics, Antalya, Turkey, 8 - 12 September 2008, pp.120

XXVII. Shrinkage pre test estimator of the univariate normal mean

YÜKSEL G., ÜNAL ÖZPALAMUTCU D.

HDM-2008 International Conference on Multivariate Statistical Modeling and High Dimensional Data Mining, Kayseri, Turkey, 19 - 23 June 2008, pp.56

XXVIII. The Iterative SR Estimator of the Disturbance Variance in a Linear Regression Model with Proxy Variables

ÜNAL ÖZPALAMUTCU D., AKDENİZ F.

AMSE 2006, 28 - 30 August 2006

XXIX. Lineer Regresyonda Hataların Varyansının İteratif Stein-rule Tahmin Edicisinin İncelenmesi

ÜNAL ÖZPALAMUTCU D., AKDENİZ F.

4. İstatistik Kongresi, Turkey, 8 - 12 May 2005

Supported Projects

ÜNAL D., Project Supported by Higher Education Institutions, ESNEK ÖDEMELİ RANTLAR, 2017 - Continues

ÜNAL D., Çığsar B., Project Supported by Higher Education Institutions, BÜYÜME MODELLERİNE YAKLAŞIMLAR VE YENİ BÜYÜME MODELLERİ, 2019 - 2022

ÜNAL D., Çığsar B., Project Supported by Higher Education Institutions, Kredi Risklerinde Veri Madenciliği Sınıflandırma Algoritmaları, 2017 - 2017

ÜNAL D., Project Supported by Higher Education Institutions, Examining the Conditions that will strengthen the Success of the Iterative SteinRule Estimator of The Disturbance Variance in Proxy Model, 2017 - 2017

ÜNAL D., EROL H., YERLİKAYA E. E., ÖZÇİÇEK DÖLEKOĞLU C., COŞKUN H. İ., Project Supported by Higher Education Institutions, Sigara Yasaklarının Sigara ve Alkol Tüketimine Etkisi, 2016 - 2017

ÜNAL D., Project Supported by Higher Education Institutions, ITERATIVE STEINRULE ESTIMATOR OF THE DISTURBANCE VARIANCE IN PROXY MODELS, 2016 - 2016

ÜNAL D., Alpman B., Project Supported by Higher Education Institutions, The Types of Annuities with Flexible Payment Premium, 2015 - 2016

YARPUZ BOZDOĞAN N., KILIÇBEYLİ E. H., ZAIMOĞLU ONAT F. B., DAĞLIOĞLU N., ÜNAL D., KANTAR DAVRAN M., YURTAL F., AKGÜL M., ELPEZE ERGEÇ N., Project Supported by Higher Education Institutions, Çukurova Üniversitesindeki Öğretim Elemanlarının ve İdari Personellerin İş Yerinde Maruz Kaldıkları Psikolojik Taciz (Mobbing) Düzeyinin Belirlenmesi ve Kişilerde Farkındalık Yaratılması, 2013 - 2016

ÜNAL D., Gül E., Korkmaz F., Şimşek M., ERGÜÇ N. D., Adıyan M., YELDAN H., Project Supported by Higher Education Institutions, Aktüeryal Büyüme Modelleri ve Balık boyları veri setine uygun büyüme modelinin seçilmesi, 2015 - 2015

ÜNAL D., YÜKSEL G., Project Supported by Higher Education Institutions, Comparison of the Iterative Steinrule and the Usual Estimators of the Disturbance Variance under the Pitman Nearness Criterion in a Linear Regression Model with Proxy Variables, 2015 - 2015

ÜNAL D., Project Supported by Higher Education Institutions, Proposing a Growth Model Which is Suitable for the Fish Lengths, 2014 - 2014

Activities in Scientific Journals

Mathlab Journal, Editor, 2018 - Continues

Metrics

Publication: 54

Citation (WoS): 21

Citation (Scopus): 34

H-Index (WoS): 2

H-Index (Scopus): 2

Non Academic Experience

Şirince Nesin Matematik Köyü

Çağ Üniversitesi