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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-5301-2020

ScopusID: 25723363600

Yoksis Researcher ID: 106074

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, İstatistik (Dr), Turkey 2001 - 2007

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), Turkey 1999 - 2001

Undergraduate, Ankara University, Fen Fakültesi, İstatistik Bölümü, Turkey 1995 - 1999

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Occupational Health and Safety, İş Sağlığı ve Güvenliği, Ankara Üniversitesi, 2022

Dissertations

Doctorate, İlerleyen tür sansürleme altında bazı genelleştirilmiş modeller için çıkarsama ve risk analizi uygulamaları, Ankara University, Fen Bilimleri Enstitüsü, İstatistik (Dr), 2007

Postgraduate, Rekor değerlere dayalı risk analizi üzerine bir çalışma, Ankara University, Fen Bilimleri Enstitüsü, İstatistik (YI) (Tezli), 2001

Research Areas

Statistics, Statistical Analysis and Applications

Academic Titles / Tasks

Assistant Professor, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2017 - Continues
Lecturer, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2007 - 2017
Research Assistant, Ankara University, Fen Fakültesi, İstatistik Bölümü, 1999 - 2007

Academic and Administrative Experience

Farabi Program Institutional Coordinator, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2022 - Continues
Unit Accreditation Board Member, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2022 - Continues
Bölüm Kalite Komisyonu Üyesi, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2022 - Continues
Head of Department, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2020 - Continues
Deputy Head of Department, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2017 - Continues
Eğitim öğretim komisyon üyesi, Ankara University, Fen Fakültesi, İstatistik Bölümü, 2022 - 2023

Courses

RİSK YÖNETİMİ, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
FİNANSAL RİSK ANALİZİ, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
RİSK TEORİSİ VE METOTLARI, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Temel İstatistik, Undergraduate, 2023 - 2024
NÜFUSBİLİM, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
AKTÜERYAL RİSK ANALİZİ, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
OLASILIK VE İSTATİSTİK, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
RİSK ANALİZİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2009 - 2010, 2008 - 2009
FİNANSAL RİSK YÖNETİMİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
BİYOİSTATİSTİK, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010, 2008 - 2009
Probability and Statistics, Undergraduate, 2014 - 2015
İstatistik I, Undergraduate, 2009 - 2010

Advising Theses

Açık Kemalöğlü S., Küresel Borsa Endeksleri ile Döviz Kurları Arasındaki Bağımlılığın Kopula Yaklaşımıyla İncelenmesi, Postgraduate, C.Mert(Student), Continues
Açık Kemalöğlü S., Türkiye Elektrik Piyasa Fiyatlarının Makine Öğrenmesi Yöntemleri ile Analizi, Postgraduate, İ.Ceren(Student), Continues
Açık Kemalöğlü S., Enerji fiyatları ve tarım ürünleri fiyatları arasındaki bağımlılık ilişkisinin kopula yöntemi ile araştırılması, Postgraduate, Y.YILDIRIM(Student), 2022
Açık Kemalöğlü S., Türk hava sahasındaki sivil hava trafik yoğunluğunun zaman serileri ve yapay sinir ağları ile analizi, Postgraduate, N.GÜLTEKİN(Student), 2022

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, June, 2022

Post Graduate, Post Graduate, Ankara Üniversitesi, May, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, March, 2022

Post Graduate, Post Graduate, Ankara Üniversitesi, February, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analysis of asymmetric financial data with directional dependence measures**
Kara E. K., Açık Kemalöđlu S., Evkaya O.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.52, pp.1-24, 2023 (SCI-Expanded)
- II. **Evaluation of the impact of Covid-19 on air traffic volume in Turkish airspace using artificial neural networks and time series**
Gultekin N., AÇIK KEMALOĐLU S.
Scientific reports, vol.13, no.1, pp.6551, 2023 (SCI-Expanded)
- III. **Using fuzzy logic to interpret dependent risks**
Kemaloglu S., Shapiro A. F., TANK F., APAYDIN A.
Insurance: Mathematics and Economics, vol.79, pp.101-106, 2018 (SCI-Expanded)
- IV. **Transmuted two-parameter Lindley distribution**
Açık Kemalöđlu S., Yılmaz M.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.23, pp.11866-11879, 2017 (SCI-Expanded)
- V. **Exponential-modified discrete Lindley distribution**
Yılmaz M., Hameldarbandi M., Açık Kemalöđlu S.
SPRINGERPLUS, vol.5, 2016 (SCI-Expanded)
- VI. **Risk analysis under progressive type II censoring with binomial claim numbers**
Kemaloglu S., Gebizlioglu O. L.
Journal of Computational and Applied Mathematics, vol.233, no.1, pp.61-72, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Modeling asymmetrically dependent automobile bodily injury claim data using Khoudraji Copulas**
Kizilok Kara E., AÇIK KEMALOĐLU S.
Sigma Journal of Engineering and Natural Sciences, vol.42, no.4, pp.1183-1193, 2024 (ESCI)
- II. **Evaluation of oral manifestations and head and neck lymphadenopathy in newly diagnosed acute leukemia patients**
PAMUKÇU U., Dal M. S., Yaman S., Candir B. A., Bozan E., Secilmis S., Kemalöđlu S., Altuntas F., PEKER İ.
SPECIAL CARE IN DENTISTRY, vol.44, no.3, pp.911-918, 2024 (ESCI)
- III. **Artifacts Caused by Orthodontic Appliances on Magnetic Resonance Imaging: Awareness and Knowledge Level of Maxillofacial Radiologists and Orthodontists**
PAMUKÇU U., TORTOP T., Ozuturk O., AÇIK KEMALOĐLU S., PEKER İ.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, no.1, pp.77-86, 2024 (ESCI)
- IV. **Exponential-Discrete Lindley Distribution: Properties and Applications**
AÇIK KEMALOĐLU S., YILMAZ M.
Mathematical Sciences and Applications E-Notes, vol.8, no.2, pp.21-31, 2020 (Peer-Reviewed Journal)
- V. **Two New Distribution Families Constructed by a Modified Rank Transmutation**
YILMAZ M., AÇIK KEMALOĐLU S.
Mathematical Sciences and Applications E-Notes, vol.6, no.1, pp.106-112, 2018 (Peer-Reviewed Journal)
- VI. **PORTFOLIO OPTIMIZATION UNDER PARAMETER UNCERTAINTY USING THE RISK AVERSION FORMULA**
AÇIK KEMALOĐLU S., EROĐLU İNAN G., APAYDIN A.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.67, no.2, pp.50-63, 2018 (ESCI)

- VII. **Risk Measures of the ERNB Distribution Generated by G-NB Family**
KIZILOK KARA E., AÇIK KEMALOĞLU S.
Mathematical Sciences and Applications E-Notes, vol.5, no.1, pp.77-84, 2017 (Peer-Reviewed Journal)
- VIII. **PORTFOLIO OPTIMIZATION OF DYNAMIC COPULA MODELS FOR DEPENDENT FINANCIAL DATA USING CHANGE POINT APPROACH**
KARA E. K., AÇIK KEMALOĞLU S.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.65, no.2, pp.175-188, 2016 (ESCI)
- IX. **Multi objective Portfolio Optimization with NSGA II and Portfolio Selection by using TOPSIS Applied to Stock Market in Turkey**
TÜRKŞEN Ö., AÇIK KEMALOĞLU S., APAYDIN A.
Selçuk Journal of Applied Mathematics, vol.16, no.2, pp.3-12, 2015 (Peer-Reviewed Journal)
- X. **MODELING DEPENDENT FINANCIAL ASSETS BY DYNAMIC COPULA AND PORTFOLIO OPTIMIZATION BASED ON CVAR**
AÇIK KEMALOĞLU S., Kara E. K.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.64, no.1, pp.1-13, 2015 (ESCI)
- XI. **Multi objective Portfolio Optimization with NSGA II and Portfolio Selection by using TOPSIS Applied to Turkey Stock Market**
TÜRKŞEN Ö., AÇIK KEMALOĞLU S., APAYDIN A.
Selcuk Journal of Applied Mathematics, vol.16, no.2, pp.3-12, 2015 (Peer-Reviewed Journal)
- XII. **BİNOM AYRILMALI İLERLEYEN II TÜR SANSÜRLEME ALTINDA PARETO YAŞAM ZAMANI VERİLERİNİN İSTATİSTİKSEL ANALİZİ**
AÇIK KEMALOĞLU S., GEBİZLİOĞLU Ö. L.
e-Journal of New World Sciences Academy, vol.7, no.4, pp.137-145, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Modeling Currency Exchange Data with Asymmetric Copula Functions**
KIZILOK KARA E., AÇIK KEMALOĞLU S., EVKAYA Ö. O.
in: Advances in Econometrics, Operational Research, Data Science and Actuarial Studies: Techniques and Theories , Terzioğlu M. Kenan, Editor, Springer, pp.49-62, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Dependence with Asymmetric Models on a Real Dataset**
AÇIK KEMALOĞLU S., KIZILOK KARA E.
8th ICSTR Bali - International Conference on Science & Technology Research, 19-20 December 2022, Indonesia, 19 December 2022
- II. **The Examination of Asymmetric Dependence by Using Copula Modeling**
KIZILOK KARA E., AÇIK KEMALOĞLU S., EVKAYA Ö. O.
20 th. International Symposium on Econometrics, Operations Research and Statistics (ISEOS 2020), Ankara, Turkey, 12 - 14 February 2020, pp.324
- III. **Statistical Analysis of Wind Speed Data Using Some Alternative Distributions to Weibull**
AÇIK KEMALOĞLU S., KIZILOK KARA E.
5th ICSTR Dubai – International Conference on Science Technology Research, Dubai, United Arab Emirates, 11 - 12 December 2019, pp.6-7

- IV. **A new compounded lifetime distribution**
AÇIK KEMALOĞLU S., YILMAZ M.
International Statistics Congress 2017, 6 - 08 December 2017
- V. **A New Modified Transmuted Distribution Family**
YILMAZ M., AÇIK KEMALOĞLU S.
International Statistics Congress 2017, 6 - 08 December 2017
- VI. **The Measurement of Directional Dependence for Some Asymmetric Copulas**
KIZILOK KARA E., AÇIK KEMALOĞLU S.
3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2017), Konya, Turkey, 24 - 26 May 2017, pp.297
- VII. **Robust Portfolio Selection using Risk Aversion Formula**
AÇIK KEMALOĞLU S., EROĞLU İNAN G., APAYDIN A.
International 9.Statistics Congress, 28 October - 01 November 2015
- VIII. **ÜSTEL UYARLANMIŞ KESİKLİ LİNDLEY DAĞILIMI**
AÇIK KEMALOĞLU S., YILMAZ M.
Uluslararası 9. İstatistik Kongresi, Antalya, Turkey, 28 October - 01 November 2015
- IX. **TRANSMUTED TWO PARAMETER LINDLEY DISTRIBUTION**
AÇIK KEMALOĞLU S., YILMAZ M.
Uluslararası 9. İstatistik Kongresi, Antalya, Turkey, 28 October - 01 November 2015
- X. **Portfolio Optimization by Change Point Approach Based on Dynamic Copula of Dependent Financial Data**
KIZILOK KARA E., AÇIK KEMALOĞLU S.
16th International Symposium on Econometrics, Operations Research and Statistics (ISEOS 2015), Edirne, Turkey, 7 - 09 May 2015, vol.4, pp.520-521
- XI. **Risk Measures on the Erlang Negative Binomial Distribution**
KIZILOK KARA E., AÇIK KEMALOĞLU S.
9.Uluslararası İstatistik Kongresi (İSTKON 9), Antalya, Turkey, 28 October - 01 November 2015, pp.281-282
- XII. **Risk Measures on the BURR XII Negative Binomial Distribution**
AÇIK KEMALOĞLU S., KIZILOK KARA E.
9.Uluslararası İstatistik Kongresi (İSTKON 9), Antalya, Turkey, 28 October - 01 November 2015, pp.261-262
- XIII. **CVaR Risk Ölçüsüne Dayalı Portföy Optimizasyonu Dinamik Kopula Modeli**
AÇIK KEMALOĞLU S., KIZILOK KARA E.
Uluslararası 8. İstatistik Kongresi (İSTKON 8), Antalya, Turkey, 27 - 30 October 2013
- XIV. **Multi objective portfolio optimization with Nondominated Sorting Genetic Algorithm II**
TÜRKŞEN Ö., AÇIK KEMALOĞLU S., APAYDIN A.
8th International Symposium of Statistics, 11 - 13 October 2012, pp.377-378
- XV. **On the Selection of Copulas for the Modelling of Dependent Risks**
KIZILOK KARA E., TANK F., GEBİZLİOĞLU Ö. L., YAĞCI B., AÇIK KEMALOĞLU S.
12th International Congress on Insurance: Mathematics Economics, 16 - 18 July 2008
- XVI. **Actuarial Risk Analysis Under Type II Progressive Censoring with Binomial Removals**
AÇIK KEMALOĞLU S., GEBİZLİOĞLU Ö. L.
5. Statistical Congress and Risk Measures and Solvency Meeting, 20 - 24 May 2007
- XVII. **Binom Ayrılmalı İlerleyen II. Tür Sansürleme Altında Pareto Yaşam Zamanı Verilerinin İstatistiksel Analizi**
AÇIK KEMALOĞLU S., GEBİZLİOĞLU Ö. L.
5. İstatistik Günleri, Turkey, 24 - 27 May 2006
- XVIII. **Rekor Değerlere Dayalı Risk Analizi Üzerine Bir Çalışma**
AÇIK KEMALOĞLU S., GEBİZLİOĞLU Ö. L.
3. İstatistik Kongresi, Turkey, 16 - 20 April 2003

Supported Projects

Şenođlu B., Yılmaz M., Açık Kemalođlu S., TUBITAK Project, İstatistiđe Giriş 1, 2015 - 2016

Tasks In Event Organizations

Açık Kemalođlu S., Uluslararası 10. İstatistik Kongresi, Scientific Congress, Turkey, Aralık 2017

Açık Kemalođlu S., Türkşen Ö., • International Workshop in Honor of Professor Ömer L. Gebizliođlu on his 60th Birth Anniversary and his Retirement, Workshop Organization, Ankara, Turkey, Haziran 2012

Metrics

Publication: 38

Citation (WoS): 35

Citation (Scopus): 38

H-Index (WoS): 5

H-Index (Scopus): 4

Scholarships

2214- Yurt dıřı arařtırma bursu, TUBITAK, 2005 - 2005