

Prof. Dr. AYŞEN AKKAYA

Kişisel Bilgiler

İş Telefonu: [+90 210 532 9](tel:+902105329)

E-posta: akkay@metu.edu.tr

Web: <https://avesis.metu.edu.tr/akkay>

Uluslararası Araştırmacı ID'leri

ScholarID: AqEGBeOAAAAJ

ORCID: 0000-0002-0886-3295

Publons / Web Of Science ResearcherID: W-7848-2018

ScopusID: 6603740998

Yoksis Araştırmacı ID: 2337

Eğitim Bilgileri

Ön Lisans, Anadolu Üniversitesi, Açıköğretim Fakültesi, Otel, Lokanta Ve İkram Hizmetleri Bölümü (Aöf), Türkiye 2021 - 2023

Doktora, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, İstatistik Bölümü, Türkiye 1989 - 1995

Araştırma Alanları

Su Kirliliği ve Kontrolü, Geoteknik, İstatistik, İstatistik Analiz ve Uygulamaları

Akademik İdari Deneyim

Bölüm Başkanı, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, İstatistik Bölümü, 2015 - 2021

Yönetilen Tezler

Akkaya A., DEVELOPMENT OF EARTHQUAKE MAGNITUDE CONVERSION EQUATIONS: STOCHASTIC REGRESSION VERSUS GENERAL ORTHOGONAL REGRESSION, Yüksek Lisans, O.Kıncı(Öğrenci), 2019

Akkaya A., Micro-level analysis of unregistered employment in Turkey with group comparisons, Yüksek Lisans, M.İNER(Öğrenci), 2019

Akkaya A., MULTI-HAZARD RELIABILITY OF ELECTRIC POWER TRANSMISSION NETWORKS WITH SPATIALLY CORRELATED COMPONENTS, Yüksek Lisans, U.ALTAY(Öğrenci), 2019

Caner A., AKKAYA A., Investigation and comparison of bearing devices used in high-speed railway bridges under earthquake impact, Yüksek Lisans, U.AŞCI(Öğrenci), 2019

Akkaya A., Multi-criteria decision making in site selection for nuclear power plants, Yüksek Lisans, B.TUNCER(Öğrenci), 2019

Caner A., AKKAYA A., Evaluation of intensity measures for ground motion selection to be used in the analysis of highway flyover bridges, Yüksek Lisans, A.AKRAY(Öğrenci), 2019

AKKAYA A., Comparison of iterative algorithms for parameter estimation in nonlinear regression, Yüksek Lisans, G.MUSLUOĞLU(Öğrenci), 2018

YAMAN İ. Ö., AKKAYA A., Strength assesment of Turkish cements, Yüksek Lisans, N.İPEK(Öğrenci), 2017

AKKAYA A., Reconstruction of gene regulatory networks, Doktora, S.BALCI(Öğrenci), 2014
AKKAYA A., BAYKAL N., A new framework for evaluation of field based academic performances of higher education institutions, Yüksek Lisans, F.ÖMRÜZUN(Öğrenci), 2011
ŞENER C., AKKAYA A., A grid-based seismic hazard analysis application, Yüksek Lisans, Ç.KOCAİR(Öğrenci), 2010
AKKAYA A., Robust estimation and hypothesis testing in microarray analysis, Doktora, B.EMRE(Öğrenci), 2010
AKKAYA A., Pairwise multiple comparisons under short-tailed symmetric distribution, Yüksek Lisans, S.BALCI(Öğrenci), 2007
AKKAYA A., Sansürlü verilere dayalı uyum iyiliği testleri, Yüksek Lisans, C.Çığır(Öğrenci), 2005
AKKAYA A., Experimental design with short-tailed and long-tailed symmetric error distributions, Yüksek Lisans, Y.ELİF(Öğrenci), 2004
ALPASLAN F. N., AKKAYA A., Bayesian learning under nonnormality, Yüksek Lisans, Y.ELİF(Öğrenci), 2004
AKKAYA A., Applications of estimation techniques on genetic and other types of data, Yüksek Lisans, M.ASLAN(Öğrenci), 2003
AKKAYA A., Genetik ve diğer veri tipleri üzerinde tahmin tekniklerinin uygulanması, Yüksek Lisans, M.Asan(Öğrenci), 2003
AKKAYA A., Goodness-of-fit tests and outlier detection, Doktora, B.SÜRÜCÜ(Öğrenci), 2003
AKKAYA A., Analysis of economic data using robust methods, Yüksek Lisans, E.ERDOĞAN(Öğrenci), 2002
AKKAYA A., Autoregressive models: Statistical inference and applications, Doktora, Ö.TÜRKER(Öğrenci), 2002
AKKAYA A., Statistical evaluation of the loss function approach for symmetric and asymmetric cases in quality control, Yüksek Lisans, F.Barı(Öğrenci), 1999

Jüri Üyelikleri

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Orta Doğu Teknik Üniversitesi, Ocak, 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Multicriteria Decision Making in Site Selection for Nuclear Power Plants**
Tuncer B., AKKAYA A., YÜCEMEN M. S.
Nuclear Technology, cilt.210, sa.8, ss.1366-1391, 2024 (SCI-Expanded)
- II. **Adaptive estimation of autoregression models under long-tailed symmetric distribution**
Yentür B., AKKAYA A., Bayrak Ö. T.
Communications in Statistics: Simulation and Computation, cilt.53, sa.7, ss.3395-3417, 2024 (SCI-Expanded)
- III. **Re: Ratio of umbilical and cerebral artery pulsatility indices in assessment of fetal risk: numerator and denominator matter**
Kalafat E., Ozturk E., Kalaylioglu Z. I., Akkaya A., Khalil A.
Ultrasound in Obstetrics and Gynecology, cilt.56, sa.2, ss.290-292, 2020 (SCI-Expanded)
- IV. **Inference of Autoregressive Model with Stochastic Exogenous Variable Under Short-Tailed Symmetric Distributions**
Bayrak O. T., AKKAYA A.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, cilt.42, ss.2105-2116, 2018 (SCI-Expanded)
- V. **Statistical Seismology Science Gateway**
Kocair C., ŞENER C., AKKAYA A.
SCIENCE GATEWAYS FOR DISTRIBUTED COMPUTING INFRASTRUCTURES: DEVELOPMENT FRAMEWORK AND EXPLOITATION BY SCIENTIFIC USER COMMUNITIES, ss.167-180, 2014 (SCI-Expanded)
- VI. **Robust estimation of magnitude-frequency relationship parameters**
YÜCEMEN M. S., AKKAYA A.

STRUCTURAL SAFETY, cilt.38, ss.32-39, 2012 (SCI-Expanded)

- VII. **Estimating parameters of a multiple autoregressive model by the modified maximum likelihood method**
Türker Bayrak Ö., Akkaya A.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, cilt.233, sa.8, ss.1763-1772, 2010 (SCI-Expanded)
- VIII. **ESTIMATION IN MULTIFACTOR POLYNOMIAL REGRESSION UNDER NON-NORMALITY**
Tiku M. L., Akkaya A.
PAKISTAN JOURNAL OF STATISTICS, cilt.26, sa.1, ss.49-68, 2010 (SCI-Expanded)
- IX. **Estimating parameters in autoregressive models with asymmetric innovations**
AKKAYA A., Tiku M. L.
STATISTICS & PROBABILITY LETTERS, cilt.78, sa.17, ss.2916, 2008 (SCI-Expanded)
- X. **Analysis of variance and linear contrasts in experimental design with generalized secant hyperbolic distribution**
Yilmaz Y. E., AKKAYA A.
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, cilt.216, sa.2, ss.545-553, 2008 (SCI-Expanded)
- XI. **Robust estimation in multiple linear regression model with non-Gaussian noise**
Akkaya A., Tiku M. L.
AUTOMATICA, cilt.44, sa.2, ss.407-417, 2008 (SCI-Expanded)
- XII. **Time series AR(1) model for short-tailed distributions**
Akkaya A., Tiku M.
STATISTICS, cilt.39, sa.2, ss.117-132, 2005 (SCI-Expanded)
- XIII. **Stochastic modeling of earthquake occurrences and estimation of seismic hazard: a random field approach**
Akkaya A., Yucemen M.
PROBABILISTIC ENGINEERING MECHANICS, cilt.17, sa.1, ss.1-13, 2002 (SCI-Expanded)
- XIV. **Estimating parameters in autoregressive models in non-normal situations: Asymmetric innovations**
Akkaya A., Tiku M.
Communications in Statistics - Theory and Methods, cilt.30, sa.3, ss.517-536, 2001 (SCI-Expanded)
- XV. **Estimation of earthquake hazard based on extremes of local integral random functions**
Akkaya A., Yucemen M.
Engineering Geology, cilt.58, sa.1, ss.53-66, 2000 (SCI-Expanded)
- XVI. **THE RISK-FACTORS IN CENTRAL VENOUS CATHETER-RELATED THROMBOSIS**
KOKSOY C., KUZU A., ERDEN I., AKKAYA A.
AUSTRALIAN AND NEW ZEALAND JOURNAL OF SURGERY, cilt.65, sa.11, ss.796-798, 1995 (SCI-Expanded)

Kitap & Kitap Bölümleri

- I. **A New Estimation Technique for AR(1) Model with Long-Tailed Symmetric Innovations**
TÜRKER BAYRAK Ö., AKKAYA A.
Contributions to Statistics: Time Series Analysis and Forecasting, Rojas Ignacio, Pomres Héctor, Valenzuela Olga, Editör, Springer, ss.39-63, 2018
- II. **A Comparative Study of Stochastic Models for Seismic Hazard Estimation**
AKKAYA A., semih y.
Land Based and Marine Hazards Scientific and Management Issues, El-Sabh, M.I., Venkatesh, S., Denis, H., Murty, T.S., Editör, Springer Netherlands, ss.5-24, 2016
- III. **Statistical Seismology Science Gateway**
Çelebi K., AKKAYA A., ŞENER C.
Science Gateways for Distributed Computing Infrastructures, , Editör, Springer International Publishing, ss.167-180, 2014
- IV. **Robust Estimation and Hypothesis Testing**

Akkaya A., Moti L T.

New Age International (P) Publishers, New Delhi, 2004

V. Estimation of Spatial Correlation of Soil Parameters Based on Data from the Texas AM University NGES

Akkaya A., Vanmarcke E.

Probabilistic Site Characterization at the National Geotechnical Experimentation Sites, Erik Vanmarcke, Gordon A. Fenton, Editör, American Society of Civil Engineers (ASCE) , New York, ss.29-40, 2003

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Estimation of AR(1) Model Having Generalized Logistic Disturbances

AKKAYA A., TÜRKER BAYRAK Ö.

11. International Statistics Congress- ISC- 2019, Türkiye, 4 - 08 Ekim 2019

II. Autoregressive models with stochastic design variables and nonnormal innovations

Bayrak Ö. T., Akkaya A.

5th International Conference on Applied Mathematics, Simulation, Modelling, ASM'11, Corfu Island, Yunanistan, 14 - 16 Temmuz 2011, ss.197-201

Bilimsel Hakemlikler

JOURNAL OF APPLIED STATISTICS, SCI Kapsamındaki Dergi, Aralık 2020

JOURNAL OF APPLIED STATISTICS, SCI Kapsamındaki Dergi, Ekim 2020

Journal Of Applied Statistics, SCI Kapsamındaki Dergi, Ocak 2019

Etkinlik Organizasyonlarındaki Görevler

Akkaya A., 3 rd International conference on mathematics and statistics, Bilimsel Kongre / Sempozyum Organizasyonu, Paris, Fransa, Haziran 2020

Metrikler

Yayın: 37

Atıf (WoS): 175

Atıf (Scopus): 219

H-İndeks (WoS): 8

H-İndeks (Scopus): 8

Akademi Dışı Deneyim

METU

METU

METU

METU

METU

METU

METU

METU Department of Statistics

