

Assoc. Prof. HATİCE ÖNCEL ÇEKİM

Personal Information

Office Phone: +90 312 297 7900 Extension: 138

Email: oncelhatice@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/oncelhatice>

Address: Hacettepe Üniversitesi, İstatistik Bölümü, Beytepe, 06800 Ankara

International Researcher IDs

ORCID: 0000-0001-8538-6296

Yoksis Researcher ID: 14958

Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, İstatistik, Turkey 2012 - 2017

Postgraduate, Gazi University, Fen-Edebiyat Fakültesi, İstatistik, Turkey 2009 - 2011

Undergraduate Double Major, Gazi University, Fen-Edebiyat Fakültesi, Matematik, Turkey 2006 - 2009

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, İstatistik, Turkey 2004 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, ÖRNEKLEME YÖNTEMLERİNDE HARTLEY-ROSS TAHMİN EDİCİSİNE DAYALI YENİ TAHMİN EDİCİLER, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, İstatistik (Dr), 2017

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of different estimator approaches based on COVID-19 data and a simulation study**
Lone S. A., Unal C., ÖNCEL ÇEKİM H.
ALEXANDRIA ENGINEERING JOURNAL, pp.174-183, 2024 (SCI-Expanded)
- II. **Earthquake magnitude prediction in Turkey: a comparative study of deep learning methods, ARIMA and singular spectrum analysis**
ÖNCEL ÇEKİM H., KARAKAVAK H. N., ÖZEL KADILAR G., Tekin S.
Environmental Earth Sciences, vol.82, no.16, 2023 (SCI-Expanded)
- III. **Modified unbiased estimators for population variance: An application for COVID-19 deaths in Russia**
ÖNCEL ÇEKİM H.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.22, 2022 (SCI-Expanded)

- IV. **An advanced approach for leaf flammability index estimation**
Güney C. O., Sari A., ÖNCEL ÇEKİM H., KÜÇÜKSİLLE E. U., ŞENTÜRK Ö., Gulsoy S., Ozkan K.
INTERNATIONAL JOURNAL OF WILDLAND FIRE, vol.31, pp.277-290, 2022 (SCI-Expanded)
- V. **Prediction of the earthquake magnitude by time series methods along the East Anatolian Fault, Turkey**
ÖNCEL ÇEKİM H., Tekin S., ÖZEL KADILAR G.
EARTH SCIENCE INFORMATICS, vol.14, no.3, pp.1339-1348, 2021 (SCI-Expanded)
- VI. **Determination of water quality assessment in wells of the Goksu Plains using multivariate statistical techniques**
GÜNER E. D., ÖNCEL ÇEKİM H., SEÇKİN G.
ENVIRONMENTAL FORENSICS, vol.22, no.1-2, pp.172-188, 2021 (SCI-Expanded)
- VII. **A novel approach for predicting burned forest area**
ÖNCEL ÇEKİM H., Güney C. O., ŞENTÜRK Ö., ÖZEL KADILAR G., Ozkan K.
NATURAL HAZARDS, vol.105, no.2, pp.2187-2201, 2021 (SCI-Expanded)
- VIII. **Forecasting PM10 concentrations using time series models: a case of the most polluted cities in Turkey**
ÖNCEL ÇEKİM H.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, no.20, pp.25612-25624, 2020 (SCI-Expanded)
- IX. **In-type estimators for the population variance in stratified random sampling**
ÖNCEL ÇEKİM H., KADILAR C.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.49, no.7, pp.1665-1677, 2020 (SCI-Expanded)
- X. **The family of the bivariate integer-valued autoregressive process (BINAR(1)) with Poisson-Lindley (PL) innovations**
Khan N. M., ÖNCEL ÇEKİM H., Ozel G.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.90, no.4, pp.624-637, 2020 (SCI-Expanded)
- XI. **Some estimator types for population mean using linear transformation with the help of the minimum and maximum values of the auxiliary variable**
ÖNCEL ÇEKİM H., ÇINGİ H.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.4, pp.685-694, 2017 (SCI-Expanded)
- XII. **Hartley-Ross type unbiased estimators using the stratified random sampling**
ÖNCEL ÇEKİM H., KADILAR C.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.2, pp.293-302, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **GRACE Uyduyu Zaman Serisinin İstatiksel Yaklaşımlarla Kestirimi**
OKAY AHİ G., ÖNCEL ÇEKİM H.
Harita Dergisi, no.162, pp.25-35, 2019 (Peer-Reviewed Journal)
- II. **New families of unbiased estimators in stratified random sampling**
ÖNCEL ÇEKİM H., KADILAR C.
JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, vol.21, no.8, pp.1481-1499, 2018 (ESCI)
- III. **Examination of industry production index in Turkey with time series method**
ÖNCEL ÇEKİM H.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, no.1, pp.547-554, 2018 (Peer-Reviewed Journal)
- IV. **GENERALIZED FAMILY OF ESTIMATORS VIA TWO AUXILIARY VARIABLES FOR POPULATION VARIANCE**
ÖNCEL ÇEKİM H., KADILAR C.
JOURNAL OF RELIABILITY AND STATISTICAL STUDIES, vol.11, no.1, pp.67-81, 2018 (ESCI)
- V. **NEW UNBIASED ESTIMATORS WITH THE HELP OF HARTLEY ROSS TYPE ESTIMATORS**

ÖNCEL ÇEKİM H., KADILAR C.

Pakistan Journal Of Statistics, vol.32, no.4, pp.247-260, 2016 (Scopus)

VI. **Markoviyen Optimal Durdurma Probleminin İyileştirilmesi ve İMKB' de Bir Uygulama**

ÖNCEL ÇEKİM H., Çelebioğlu S.

Finans Politik & Ekonomik Yorumlar, vol.51, pp.55-72, 2014 (Peer-Reviewed Journal)

VII. **Karar ağacı ile Cox karma modeli ve lastik verileri üzerine bir uygulama**

ÖNCEL ÇEKİM H., KARASOY D.

İSTATİSTİKÇİLER DERGİSİ:İSTATİSTİK VE AKTÜERYA, vol.6, pp.41-50, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

I. **SPSS ve R Uygulamalı Zaman Serileri Analizine Giriş**

KADILAR C., ÖNCEL ÇEKİM H.

Seçkin Yayınevi, 2020

Refereed Congress / Symposium Publications in Proceedings

I. **An Efficient Sampling Technique for Seismic Assessment of Aegean Graben System, Turkey**

ÜNAL AKDENİZ C., ÖNCEL ÇEKİM H., ÖZEL KADILAR G.

6th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC2022), Antalya, Turkey, 3 - 06 November 2022

II. **PM10 and SO2 predictions for the most polluted station in Ankara**

ÖNCEL ÇEKİM H.

1. Uluslararası Uygulamalı İstatistik Kongresi, 1 - 04 October 2020

III. **Ln Type Estimators under Stratified Random Sampling**

ÖZEL KADILAR G., ÖNCEL ÇEKİM H., KADILAR C.

International Conference on Applied Mathematics in Engineering, Balıkesir, Turkey, 27 - 29 June 2018

IV. **LN TYPE ESTIMATOR ON ESTIMATING THE FINITE POPULATION VARIANCE IN THE SIMPLE RANDOM SAMPLING**

ÖNCEL ÇEKİM H., KADILAR C.

3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, Girne, Cyprus (Kkctc), 4 - 06 May 2018

V. **Generalized Family of Estimators with the help of Two Auxiliary Variables for Population Variance in Simple Random Sampling**

ÖNCEL ÇEKİM H., KADILAR C.

14th Applied Statistics 2017, Ribno, Slovenia, 24 - 27 September 2017, pp.35

VI. **Efficient Class of Estimators for Population Variance Using Two Auxiliary Variables**

KADILAR C., ÖNCEL ÇEKİM H.

IRSYSC 2017, Konya, Turkey, 24 - 26 May 2017

VII. **Hartley-Ross Type Variance Estimators in Simple Random Sampling**

KADILAR C., ÖNCEL ÇEKİM H.

International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 19 - 25 September 2016, vol.1863

VIII. **Forecasting Industry Production Index in Turkey**

ÖNCEL ÇEKİM H., KADILAR C.

ISBIS 2016, BARCELONA, Spain, 8 - 10 June 2016

IX. **Hartley Ross Type Unbiased Estimators Using Stratified Random Sampling**

ÖNCEL ÇEKİM H., KADILAR C.

2ND INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, Ankara, Turkey, 4 -

08 May 2016

- X. **Hartley-Ross Type Estimators in Simple Random Sampling**
KADILAR C., Cekim H. O.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648
- XI. **Efficient estimators of population mean under new forms of transformation of auxiliary variable**
ÖNCEL ÇEKİM H., ÇINGİ H.
ISDS' 2014, Antalya, Turkey, 10 - 14 May 2014
- XII. **Characterizing Forest Fire Activity in Turkey by Compound Poisson and Time Series Models**
ÖNCEL ÇEKİM H., KADILAR C., ÖZEL KADILAR G.
ICNAAM 2013, 22 September 2013
- XIII. **Karar Ağacı ile Cox Regresyon Modeli ve Bir Uygulama**
ÖNCEL ÇEKİM H., KARASOY D.
1. Genç İstatistikçiler Sempozyumu, Ankara, Turkey, 10 - 11 September 2013
- XIV. **Avrupa Ülkelerinin Kültürel Amaçlı İnternet Kullanım Performanslarının Değerlendirilmesi**
ÖNCEL ÇEKİM H.
19. İstatistik Araştırma Sempozyumu, Turkey, 6 - 07 May 2010

Supported Projects

ÖNCEL ÇEKİM H., KADILAR C., Project Supported by Higher Education Institutions, Basit Rastgele Örneklemde Kitle Varyansı için İki Yardımcı Değişken yardımıyla Genelleştirilmiş Tahminci Ailesi, 2017 - 2018

KADILAR C., ÖNCEL ÇEKİM H., Project Supported by Higher Education Institutions, Basit Rastgele Örneklemde Hartley-Ross Varyans Tahmin Edicileri, 2016 - 2016

Metrics

Publication: 35

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