

Prof. Mahmut Kara

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Education Information

Doctorate, Ankara University, Fen Fakültesi , İstatistik/ Olasılık Teorisi Ve Olasılık Süreçleri Anabilim Dalı, Turkey 2009 - 2014

Postgraduate, Ankara University, Fen Fakültesi , İstatistik/Olasılık Teorisi Ve Olasılık Süreçleri Anabilim Dalı, Turkey 2006 - 2009

Undergraduate, Karadeniz Technical University, Fen Fakültesi, İstatistik Ve Bilgisayar Bilimleri, Turkey 2001 - 2005

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Alfa seri süreçlerde parametre tahmini , Ankara University, Fen Fakültesi, İstatistik/Olasılık Teorisi Ve Olasılık Süreçleri Anabilim Dalı, 2014

Postgraduate, Geometrik süreçlerde parametre tahmini , Ankara University, Fen Fakültesi, İstatistik/Olasılık Teorisi Ve Olasılık Süreçleri Anabilim Dalı, 2009

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yıl University, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü, 2017 - Continues

Courses

Deney Tasarımı, Postgraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Bayesian Inference for Geometric Process with Lindley Distribution and its Applications
Yilmaz A., Kara M., Kara H.
FLUCTUATION AND NOISE LETTERS, vol.21, no.5, 2022 (SCI-Expanded)
- II. Estimation of the parameters of the gamma geometric process
Kara M., GÜVEN G., ŞENOĞLU B., AYDOĞDU H.
JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.92, pp.2525-2535, 2022 (SCI-Expanded)
- III. Reliability estimation and parameter estimation for inverse Weibull distribution under different loss functions
Yilmaz A., Kara M.
KUWAIT JOURNAL OF SCIENCE, vol.49, no.1, 2022 (SCI-Expanded)
- IV. Comparison of different estimation methods for extreme value distribution
Yilmaz A., Kara M., Özdemir O.
JOURNAL OF APPLIED STATISTICS, vol.48, no.13-15, pp.2259-2284, 2021 (SCI-Expanded)
- V. Parameter estimation in alpha-series process with lognormal distribution
Kara M., Altindag O., PEKALP M. H., AYDOĞDU H.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.48, no.20, pp.4976-4998, 2019 (SCI-Expanded)
- VI. Statistical inference for alpha-series process with gamma distribution
Kara M., AYDOĞDU H., ŞENOĞLU B.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.13, pp.6727-6736, 2017 (SCI-Expanded)
- VII. Statistical inference for alpha-series process with the inverse Gaussian distribution
Kara M., Turksen O., AYDOĞDU H.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.46, no.6, pp.4938-4950, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. Estimation of Parameters for the Gumbel Type-I Distribution under Type-II Censoring Scheme
Yilmaz A., Kara M.
Baghdad Science Journal, vol.20, no.3, pp.834-842, 2023 (ESCI)
- II. A STUDY ON COMPARISONS OF BAYESIAN AND CLASSICAL PARAMETER ESTIMATION METHODS FOR THE TWO-PARAMETER WEIBULL DISTRIBUTION
Yilmaz A., Kara M., AYDOĞDU H.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.69, no.1, pp.576-602, 2020 (ESCI)
- III. STATISTICAL INFERENCE FOR GEOMETRIC PROCESS WITH THE RAYLEIGH DISTRIBUTION
BİÇER C., BİÇER H. D., Kara M., AYDOĞDU H.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.149-160, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. First Moment Approximations for Order Statistics from the Normal Distribution
Yilmaz A., Kara M.
10th International Statistics Congress-2017, Ankara, Turkey, 6 - 08 December 2017, pp.162
- II. The estimation of the parameters of the Weibull distribution with different parameter estimation methods
Kara M.
Caucasian Mathematics Conference CMC II, Van, Turkey, 22 - 24 August 2017, pp.142
- III. Türkiye'de bedensel engelli badmintoncuların spora başlamalarına etki eden unsurlar ve spordan

beklentileri

Arslan E., Atlı M., Özkan Z., Kaplan Ş., Kara M., Bilici M.

ERPA International Congresses on Education, Budapest, Hungary, 18 May - 21 January 2017, pp.80

IV. Goodness of fit tests for Weibull distribution

Yılmaz A., Ezzaldin D., Kara M., AYDOĞDU H.

International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017, pp.478

V. Non-parametric inference for -series process

Kara M.

3rd INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, Konya, Turkey, 24

April - 26 May 2017, pp.220

Supported Projects

Kara M., Yılmaz A., Project Supported by Higher Education Institutions, Rüzgar Hızı Verilerinin Bazı Dağılımlarla İstatistiksel Analizi, 2018 - 2020

Metrics

Publication: 16

Citation (WoS): 8

Citation (Scopus): 7

H-Index (WoS): 2

H-Index (Scopus): 2