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Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Fakültesi, İstatistik Ve Bilgisayar Bilimleri, Turkey 2015 - 2021

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü , İstatistik Ve Bilgisayar Bilimleri , Turkey 2013 - 2015

Under Graduate, Gazi University, Fen Fakültesi, İstatistik, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Post Graduate, Çokgensel Alan İçerisinde İki Değişkenli Keyfi Bir Dağılımdan Rastgele Sayı Üretilmesi , Karadeniz Technical University, Fen Bilimleri Enstitüsü, İstatistik Ve Bilgisayar Bilimleri , 2014

Research Areas

Statistics, Statistical Analysis and Applications, Natural Sciences

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Fen Fakültesi, İstatistik Ve Bilgisayar Bilimleri, 2013 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

I. A New Goodness of Fit Test for Multivariate Normality

Kesemen O., Tiryaki B. K., Tezel Ö., Özkul E.

Hacettepe Journal Of Mathematics And Statistics, vol.50, no.3, pp.872-894, 2021 (Journal Indexed in SCI Expanded)

II. Fuzzy c-Means Directional Clustering (FCMDC) algorithm using trigonometric approximation

KESEMEN O., TEZEL Ö., ÖZKUL E., TİRYAKI B. K.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.1, pp.140-152, 2020 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A New Goodness-of-Fit Test: Free Chi-Square (FCS)**
Tezel Ö., Tiryaki B. K. , Özkul E., Kesemen O.
Gazi University Journal of Science, vol.34, no.2, pp.1-19, 2021 (Journal Indexed in ESCI)
- II. **Finding combinations of four-operations with Type-2 tree structure**
Özkul E., Tiryaki B. K. , Tezel Ö., Ağayev E., Kesemen O.
Pamukkale University Journal of Engineering Sciences, vol.27, no.1, pp.52-59, 2021 (Journal Indexed in ESCI)
- III. **Some Statistics in Polar Coordinate System with Uniform Angles**
Kesemen O., Tiryaki B. K. , Tezel Ö., Pak A.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.33, no.3, pp.846-867, 2020 (Journal Indexed in ESCI)
- IV. **A Novel Approximation for Computation Bivariate Distribution Functions in Polygonal Area**
KESEMEN O., TİRYAKI B. K. , ULUYURT T.
Gümüşhane University Journal of Science and Technology Institute, vol.9, no.1, pp.88-98, 2019 (International Refereed University Journal)
- V. **Non-Uniform Random Number Generation from Arbitrary Bivariate Distribution in Polygonal Area**
KESEMEN O., TİRYAKI B. K.
Süleyman Demirel University Journal of Natural and Applied Sciences, vol.22, no.2, pp.443-457, 2018 (International Refereed University Journal)
- VI. **Determination of the Confidence Intervals for Multimodal Probability Density Functions**
Kesemen O., Tiryaki B. K. , Özkul E., Tezel Ö.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.1, pp.310-326, 2018 (Journal Indexed in ESCI)
- VII. **Chi-Square Goodness of Fit Test for Bivariate Distributions in Polygonal Area**
KESEMEN O., TİRYAKI B. K. , ULUYURT T.
International Journal of Scientific and Technological Research, vol.4, no.10, pp.528-540, 2018 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Numerical Approximation of Inversion Method to Generate Non-Uniform Random Numbers**
KESEMEN O., TİRYAKI B. K. , PAK A.
11. International Statistics Congress, Muğla, Turkey, 4 - 08 October 2019, pp.328-335
- II. **Detection of Lines on Images with Multimodal Directional Artificial Bee Colony Algorithm**
KESEMEN O., ÖZKUL E., TİRYAKI B. K. , TEZEL Ö.
11. International Statistics Days Conference, 3 - 07 October 2018
- III. **Directional K-Means Algorithm Using Signed Angular Distance**
KESEMEN O., TİRYAKI B. K. , TEZEL Ö., ÖZKUL E.
11. International Statistics Days Conference, Muğla, Turkey, 3 - 07 October 2018, pp.155
- IV. **A New Approximation for Fuzzy Directional Clustering(FDC)**
KESEMEN O., TEZEL Ö., ÖZKUL E., TİRYAKI B. K.
11. International Statistics Days Conference, 3 - 07 October 2018
- V. **Calculating the Moments of Circular Data Using Angular Distance**
Kesemen O., Tezel Ö., Özkul E., Tiryaki B. K.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.763-764
- VI. **Solving Cross-Matching Puzzle Using Heuristic Approximation with Probabilities**
Kesemen O., Özkul E., Tezel Ö., Tiryaki B. K.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.414
- VII. **Finding Combinations of Four Operations with Type-2 Search Method**
Kesemen O., Tiryaki B. K. , Özkul E., Tezel Ö., Ağayev E.

International Conference on Computational and Statistical Methods in Applied Sciences COSTAS 2017, Samsun, Turkey, 9 - 11 November 2017, pp.37-38

- VIII. **Yığın Ortalamasının Kestiriminde Z ve T Testlerinin Benzetimle Karşılaştırılması**
Kesemen O., Tiryaki B. K., Tezel Ö., Özkul E.
XVIII. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu 2017, Trabzon, Turkey, 5 - 07 October 2017, pp.422-423
- IX. **Bitki Dallarının Ortalama Yönelim Sayılarının Belirlenmesinde Yönel Kümeleme Yaklaşımı**
KESEMEN O., TİRYAKİ B. K., TEZEL Ö., ÖZKUL E.
XVIII. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu 2017, Trabzon, Turkey, 5 - 07 October 2017, pp.364
- X. **Yapay Arı Kolonisi Algoritmasıyla Test Sorularının Soru Kağıdına Otomatik Yerleştirilmesi**
Kesemen O., Tiryaki B. K., Özkul E., Tezel Ö.
XVIII. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu 2017, Trabzon, Turkey, 5 - 07 October 2017, pp.382
- XI. **A comparison of validity indices on fuzzy C-means clustering algorithm for directional data**
Kesemen O., Tezel Ö., Özkul E., Tiryaki B. K., Ağayev E.
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Turkey, 15 - 18 May 2017
- XII. **Hue-Based Segmentation of Color Images Using Weighted Directional Clustering Algorithms**
KESEMEN O., ÖZKUL E., TEZEL Ö., TİRYAKİ B. K., Vefaeinahr S.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XIII. **Investigation of the Kolmogorov Smirnov Test Statistics**
KESEMEN O., TİRYAKİ B. K., EBRU N.
Xth International Statistics Days Conference, Giresun, Turkey, 7 - 09 October 2016, pp.768-773
- XIV. **Novel Approximation for Computation Bivariate Distribution Functions in Polygonal Area**
KESEMEN O., TİRYAKİ B. K., ULUYURT T.
5TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Belgrad, Serbia And Montenegro, 16 August - 19 September 2016, pp.191
- XV. **İstatistiksel Test Tablolarının Benzetimle Elde Edilmesi**
TİRYAKİ B. K., KESEMEN O.
9. Uluslararası İstatistik Kongresi, Antalya, Turkey, 28 October - 01 November 2015, pp.306-307
- XVI. **Fuzzy Similarity Measure for Geometric Shapes in Digital Images**
KESEMEN O., TEZEL Ö., TİRYAKİ B. K.
International Symposium on Aggregation on Bounded Lattices (ABLAT), Trabzon, Turkey, 16 - 20 June 2014, pp.32
- XVII. **A New Method for Fuzzy Ranking for Fuzzy Numbers**
KESEMEN O., TİRYAKİ B. K., TEZEL Ö.
International Symposium on Aggregation on Bounded Lattices (ABLAT), Trabzon, Turkey, 16 - 20 June 2014, pp.33-34
- XVIII. **A Novel Method for Random Numbers Generating in the Polygonal Area**
TİRYAKİ B. K., KESEMEN O., ÜNSAL Ü.
9th International Statistic Days Symposium, Antalya, Turkey, 10 - 14 May 2014, pp.69
- XIX. **Bivariate Kolmogorov-Smirnov Goodness of Fit Test on Polygonal Areas**
ULUYURT T., KESEMEN O., TİRYAKİ B. K.
9. International Statistics Days Symposium, Antalya, Turkey, 10 - 14 May 2014, pp.68
- XX. **DETERMINING MINIMUM NUMBER OF CLASS FOR CHI-SQUARE GOODNESS OF FIT TEST USING T-TEST WITH SIMULATION**
KESEMEN O., TİRYAKİ B. K.
8. International Statistics Congress, Antalya, Turkey, 27 - 30 October 2013, pp.230-231

Citations

Total Citations (WOS):1

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Scholarships

Yurtiçi Doktora Bursu, TUBITAK, 2015 - 2019