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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul University, Faculty Of Science, Matematik, Turkey 2008 - 2014

Postgraduate, Istanbul University, Faculty Of Science, Department of Mathematics, Turkey 2004 - 2008

Undergraduate, Istanbul University, Faculty Of Science, Department of Mathematics, Turkey 2000 - 2004

Foreign Languages

English, B1 Intermediate

Dissertations

Postgraduate, Regresyon Analizi ve Matematik Programlama arasındaki İlişki, Istanbul University, Matematik, Matematik, 2008

Research Areas

Mathematics, Statistics, Optimization, Numerical Analysis, Natural Sciences

Academic Titles / Tasks

Research Assistant, Istanbul University, Faculty of Science, Department of Mathematics, 2005 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Identifying a class of Ridge-type estimators in binary logistic regression models**
ERTAN E., Akay K. U.
STATISTICS, vol.58, no.5, pp.1092-1116, 2024 (SCI-Expanded)
- II. **A new class of Poisson Ridge-type estimator**
ERTAN E., AKAY K. U.
Scientific Reports, vol.13, no.1, 2023 (SCI-Expanded)

- III. **A new improvement Liu-type estimator for the Bell regression model**
Ertan E., Algamal Z. Y., Erkoç A., Akay K. U.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2023 (SCI-Expanded)
- IV. **The beta Liu-type estimator:simulation and application**
Erkoç A., ERTAN E., Algamal Z. Y., AKAY K. U.
Hacettepe Journal of Mathematics and Statistics, vol.52, no.3, pp.828-840, 2023 (SCI-Expanded)
- V. **A new Liu-type estimator for the gamma regression model**
ERTAN E., Erkoç A., AKAY K. U.
Communications in Statistics: Simulation and Computation, 2023 (SCI-Expanded)
- VI. **A new improved Liu-type estimator for Poisson regression models**
Akay K. U., Ertan E.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.51, no.5, pp.1484-1503, 2022 (SCI-Expanded)
- VII. **A new Liu-type estimator in binary logistic regression models**
Ertan E., Akay K. U.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.51, no.13, pp.4370-4394, 2022 (SCI-Expanded)
- VIII. **Graphical Evaluation of the Ridge-Type Robust Regression Estimators in Mixture Experiments**
Erkoc A., Emiroglu E., Akay K. U.
SCIENTIFIC WORLD JOURNAL, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **A New biased estimator and variations based on the Kibria Lukman Estimator**
Akay K. U., Ertan E., Erkoç A.
Istanbul Journal of Mathematics, no.1, pp.74-85, 2023 (Peer-Reviewed Journal)
- II. **AN ALTERNATIVE APPROACH TO SOLVE THE LAD-LASSO PROBLEM**
Emiroglu E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, no.3, pp.467-476, 2016 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **A new kind of biased estimator for linear regression models**
Ertan E., Akay K. U.
4 th INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES ICMS 2020, İstanbul, Turkey, 17 - 21 June 2020, pp.122
- II. **An extended Liu-type estimator for the Inverse Gaussian Regression Model**
Ertan E., Tez M., Akay K. U.
4 th INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES ICMS 2020 , İstanbul, Turkey, 17 - 21 June 2020, pp.121
- III. **Improved New Liu-Type Estimator for Poisson Regression Models**
Ertan E., Giresunlu İ. M., Akay K. U.
3rd INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES ICMS 2019 , İstanbul, Turkey, 4 - 08 September 2019, pp.187
- IV. **An alternative approach to solve the LAD-LASSO problem**
Ertan E., Akay K. U.
International Conference on Trends and Perspectives in Linear Statistical Inference, Linköping, Sweden, 24 - 28 August 2014, pp.40
- V. **On The Relationship Between Regression Analysis and Mathematical Programming**
Giresunlu İ. M., Ertan E.

Metrics

Publication: 15

Citation (WoS): 18

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H-Index (WoS): 2

H-Index (Scopus): 4