SSCA Statistics and Applications

LIST OF ACCEPTED PAPERS TO APPEAR IN THE FORTHCOMING VOLUMES OF STATISTICS AND APPLICATIONS

***

Volume 23, No. 1, 2025 (June)

1. R-optimal Designs for Logistic Regression Model in Two Variables
   Authors: Mahesh Kumar Panda and Tofan Kumar Biswal
   (Accepted: 04 April 2024)

2. Estimation for the Length Biased Log-Logistic Model under Adaptive Progressive Type II Censoring
   Authors: Ranjita Pandey, Pulkit Srivastava and Sweta Shukla
   (Accepted: 06 April 2024)

3. R-optimal Designs for Gamma Regression Model with Two Parameters
   Authors: Mahesh Kumar Panda, Tofan Kumar Biswal and V.K. Gupta
   (Accepted: 12 April 2024)

4. Discrete Type I Half-Logistic Weibull Distribution and Its Properties
   Authors: M. Girish Babu and K. Jayakumar
   (Accepted 14 April 2024)

5. Bulk Queuing Model with Reneging of Customers and their Retention
   Shejal Gupta, Pradeep K. Joshi and K.N. Rajeshwari
   (Accepted: 16 April 2024)

6. Inference Techniques, Properties, and Applications of the T-Marshall-Olkin X Family of Distributions
   Authors: Meenu Jose and Lishamol Tomy
   (Accepted: 24 April 2024)

7. Competing Risks Models with Multistate and Intermediate States
   Authors: A. M. Rangoli, A. S. Talawar and R. P. Agadi
   (Accepted: 25 April 2024)

8. Extinction and stationary distribution of a stochastic $SEII_aI_qHR$ epidemic model with intervention
   (*Authors: Tamalendu Das, Tridip Sardar and Sourav Rana*)
   Accepted: 29 April 2024

9. Sample Size Determination for Clinical Studies when Crisp Inputs are not available
(*Authors: Sai Sarada Vedururu, R.Vishnu Vardhan and K.V.S. Sarma*)
Accepted: 01 May 2024

10. Construction of Order-of-Addition-Orthogonal Array Designs
(*Authors: Muhsina A., Baidya Nath Mandal, Rajender Parsad and Sukanta Dash*)
Accepted: 25 May 2024

11. A Hybrid ARIMA-GARCH type Copula approach for Agricultural Price Forecasting
(*Authors: B. Manjunatha, Ranjit Kumar Paul, Ramasubramanian V., Amrit Kumar Paul, Md. Yeasin, Mrinmoy Ray, G. Avinash and Chandan Kumar Deb*)
Accepted: 07 June 2024

12. Environmentally Responsible Index Tracking: Maintaining Performance while Reducing Carbon Footprint of the Portfolio
(*Authors: Lakshmi M.V., Soudeep Deb, and Rituparna Sen*)
Accepted: 08 June 2024

13. A Comprehensive Review of Data Science, Artificial Intelligence, and Big Data Analytics in Indian Official Statistics
(*Authors: Prasily P. and Manoharan M.*)
Accepted: 09 June 2024

14. Three-State Markov Probability Distributions for the Stock Price Prediction
(Authors: Tirupathi Rao Padi, Sarode Rekha, and Gulbadin Farooq Dar)
Accepted: 10 June 2024

15. An Economic Analysis of Two-Node Tandem Queue with Feedback
(*Authors: Ankita Roy Chowdhury and Indra*)
Accepted: 19 June 2024

16. Bayesian Estimation of Scale Parameter of Inverted Kumaraswamy Distribution Under Various Combinations of Different Priors And Loss Functions
(*Authors: Ableen Kaur, Parmil Kumar, and Hemani Sharma*)
Accepted: 19 June 2024

17. Determining Optimal Threshold and some Inferential Procedures for a Skewed ROC model in the Binary Classification Framework
(*Authors: Sandhya Singh, Saebugari Balaswamy and R.Vishnu Vardhan*)
Accepted: 25 June 2024

18. Nonparametric Estimation of Extropy-Related Measures with Length-Biased Data
(*Authors: R. Dhanya Nair and E.I. Abdul Sathar)*
Accepted: 30 June 2024

19. Mathematical model for spread of COVID-19 virus using fractional order approach
(*Authors: Gajanan S. Solanke and Deepak B. Pachpatte*)
Accepted: 15 July 2024

20. Neutrosophic Marshall Olkin Extended Burr-XII Distribution: Theoretical Framework and Applications with Multiple Survival Time Data Sets
(*Authors: Shakila Bashir, Bushra Masood and Muhammad Aslam*)
Accepted: 31 July 2024

21. Prediction of COVID-19 Disease Progression in India Under the Effect of National Lockdown
(*Authors: Sourish Das*)
Accepted: 18 November 2024 (Special Invited Paper)

Shorter Communication

22. Understanding Fellegi Scheme for Sample Size Three
(*Authors: Yumnam Menon Singh and Opendra Salam*)
Accepted: 03 October 2024

Forthcoming Accepted Papers

1. Gumbel Distribution: Comparison of Bayesian Estimators Under Various Loss Functions
(*Authors: P.M. Safwana and C. Chandran*)
Accepted: 10 August 2024

2. Transient State Solution of Retrial Queueing System with Catastrophe
(*Authors: Neelam Singla and Ankita Garg*)
Accepted: 24 August 2024

3. Finite Mixtures of Matrix Variate Log-normal Distributions for Clustering Skewed Three-Way Data
(*Authors: Shiva Kumar Kurva and Kiruthika C.*)
Accepted: 03 September 2024

4. Balanced and Partially Balanced Semi-Latin Rectangles with Block Size Two
(*Authors: Kaushal Kumar Yadav, Sukanta Dash, Rajender Parsad, Baidya Nath Mandal, Anil Kumar and Mukesh Kumar*)
Accepted: 06 September 2024

5. Three and Four Component Uniform Mixture Designs Based on Ellipsoidal Region- A Beginner's Training Manual
(*Authors: Poonam Singh and Himanshu Shukla*)
Accepted: 18 September 2024

6. On Renewal Processes - Some Bounds and Characterisations
(*Authors: S. Ravi and Suman Kalyan Ghosh*)
Accepted: 23 September 2024

7. The Modified Logistic Two-Parameter Estimators
(*Authors: Thayaparan Kayathiri, Manickavasagar Kayanan, and Pushpakanthie Wijekoon*)
Accepted: 04 October 2024

8. Wrapped Generalized Lindley Distribution with Applications to Directional Data
(*Authors: Imliyangba and Bhanita Das*)
Accepted: 08 October 2024

9. On the Likelihood Ordering and Tail Behavior of Certain Classes of Skew Normal Distributions
(*Authors: M.R. Anusree and C. Satheesh Kumar*)
Accepted: 06 November 2024

10. Advancements in Power Inverse Rayleigh Modeling: Exploring Applications in Environmental and Medical Domains
(*Authors: Aadil Ahmad Mir, S. P. Ahmad and A. A. Bhat*)
Accepted: 19 November 2024

11. VTPC: A Novel Virtual Tree Approach for Efficient Population Count in Binary Sequences
(*Authors: Samarth Godara, Prakash Kumar, Deepak Singh and Raju Kumar*)
Accepted: 06 December 2024

12. Time Dependent Performance Analysis of Asynchronous Internet Switch - Multi Server Queueing System and Markovian QBD Process
(*Authors: Malla Reddy Perati, Shivaji Arepelly and Abhilash Vollala*)
Accepted: 29 December 2024

13. Bayesian DCC-MGARCH Models for Understanding the Price Dynamics of Volatile Series: A Case Study on Pulses Price in India
(*Authors: Achal Lama, Girish K. Jha, Bishal Gurung and Saurav Guha*
Accepted: 10 January 2025

14. Nonparametric Tests Based on Ranks for Independence against Weighted Alternative with Missing Values
(Authors: Parameshwar V. Pandit, Deepa Yogesh Kamat and Shubhashree Joshi)
Accepted: 03 February 2025

15. On Log Odd Burr III Weibull Regression Model and its Application in Survival Analysis
(Authors: Deepthy G.S., Lakshmi R. and Nicy Sebastian)
Accepted: 18 March 2025

16. Reducing Dimensionality and Modeling Structural Dependence in Data Streams: An Approach Using Copula Matrices
(Authors: Fereshteh Arad, Ayyub Sheikhi and Farshid Keynia)
Accepted: 31 March 2025

17. A framework for building a novel Causal Proximity Driven GNN from Biomedical Text
(Authors: Samridhi Dev and Aditi Sharan)
Accepted: 02 April 2025

18. Small Area Estimation Technique in Forestry Sector with Special Emphasis on National Forest Inventory: A Review
(Authors: Kamal Pandey, Sunil Chandra, Girish Chandra and Salman Khan)
Accepted: 20 April 2025

Shorter Communication

1. Resolvability of Some BIB and Regular Group Divisible Designs
(*Authors*: *Shyam Saurabh, Sheet Nihal Topno and Dinesh Prasad*)
Accepted: 29 December 2024