



LIST OF CONTRIBUTORY PAPERS

1. Discriminating among the lognormal and log-logistic distributions in the presence of type-II Censoring - [Bishal Diyali](#), [Devendra Kumar](#) and [Sukhdev Singh](#)
2. Bayesian Analysis of Sine Generated Pareto distribution of two parameter -[Ranjita Pandey](#) and [Danish Ali](#)
3. Estimation of Shape (α) and Scale (λ) of Two-Parameter Lomax Distribution (LD) Using Maximum Product Spacings Method - [Ch.V.Aruna](#), [O.V. Raja Sekharam](#), and [G.V.S.R. Anjaneyulu](#)
4. Characterizations through generalized and dual generalized order statistics, with an application to statistical prediction problem - [Imtiyaz Ahmad shah](#)
5. Estimation of area under a Bi-distributional ROC curve using Confidence Intervals – [Dashina, P.](#) and [R Vishnu Vardhan](#)
6. Comparison of Estimation Methods for Weibull Parameters - [R. Devi](#), [Suchithra P.](#) and [N. Viswanathan](#)
7. Ageing characteristics of the Finite Mixture of Geometric Distribution - [Maya T Nair](#)
8. Data Generation using GAN with Heavy Tailed Distributions - [Bindu Krishnan](#)
9. Profit and Availability Analysis of a Three Unit Cold Standby System with Lindley Failure and Repair Laws - [N. Nandal](#)
10. Top Leon Lomax Distribution with accelerated Life Test on some Design and Developments - [S.Gandhiya Vendhan](#) and [K.Chitralka](#)
11. Estimation and Prediction based on k-record values from a generalized Pareto distribution - [Laji M](#) and [Manoj Chacko](#)
12. The New Length Biased Weighted X-gamma Distribution and its Applications - [Rajeshwar B. Ade](#), [N. W. Andure \(Yawale\)](#) and [R. B. Ade](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



13. Bayesian analysis for log-normal distribution in the presence of hybrid censoring and step-stress - [Priya Yadav, Devendra Kumar and Sukhdev Singh](#)
14. Generalized Muth Distribution and Associated Inference - [Anuresha Krishna](#)
15. Some aspects on Poisson transmuted Fréchet distribution - [Diksha Das and Bhanita Das](#)
16. A New Continuous Distribution with Properties, Estimation and Application - [Bhupendra Singh, Shikhar Tyagi, Ravindra Pratap Singh, and Abhishek Tyagi](#)
17. A Generalized Form of Power Transformation on Exponential Family of Distribution with Properties and Application – [Bhanita Das and Seema Chettri](#)
18. New Record Based Transmuted Lindley Distribution and its Applications - [Arya P. V and Bindu Punathumparambath](#)
19. Application of Generalized Rank Mapped Transmuted Fréchet Weibull Distribution in Environmental Science - [Imliyangba and Bhanita Das](#)
20. An Inferential Study of Discrete Burr-Hatke Exponential Distribution under Complete and Censored Data - [Ravindra Pratap Singh](#)
21. Parameter Estimation of Inverse Weibull Distribution under Constant Stress Accelerated Life Testing using Progressive Type-II Censoring - [Sreelakshmi S and Manoj Chacko](#)
22. Discrete Pseudo Lindley Distribution: Properties, Estimation and Application on INAR(1) Process - [M. R. Irshad, Christophe Chesneau, Veena D'cruz and R. Maya](#)
23. Estimation of Parameters Based on Progressively Type II Hybrid Censored Data Using EM Algorithm - [Manoj Chacko](#)
24. Poisson – Poisson Derived Power Series Distribution - [Ranjitha Chul, Bhattacharyulu N.Ch. and Jayasree G.](#)
25. A note on Mixing Proportions of new Mixture Distributions - [Swarnalatha E, Bhattacharyulu, N.Ch. and Jayasree G.](#)



International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity

Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics



26. Statistical Inference of Some New Probability Distribution and Its Application - [Arvind Pandey and Pawan Kumar Singh](#).
27. Bayesian Estimation in Exponential Power Distribution under Type-1 Progressive Hybrid Censoring with Binomial Removals - [Prabhat Kumar Sangal](#)
28. Statistical Inference in Inverse Pareto Distribution using Randomly Censored Samples - [Kapil Kumar](#)
29. Statistical Inference for Multicomponent stress-strength Parameter from Burr XII Lifetime Model - [Renu Garg](#)
30. A Study on New Modified Alpha Power Weibull Distribution with Application to Covid-19 Data - [Seema Chettri and Bhanita Das](#)
31. Records Based on Extreme Value Type I Probability Distribution - [K. M. Sakthivel and V. Nandhini](#)
32. Double Xgamma Distribution and its Applications - [Bindu Punathumparambath](#)
33. Type-II censored Pareto II model with inliers at zero and one - [K. Muralidharan and Bavagosai Pratima](#).
- 33 a) A New Generalization of Inverse Exponential Distribution and its Applications - [Jabir B and Bindu Punathumparambath](#)
34. Reliability Analysis of a Non-Series-Parallel System with different Failure laws - [S.K. Chauhan & S.C. Malik](#)
35. Estimation of Multicomponent Stress-Strength Reliability for Exponentiated Gumbel Distribution - [Ashly Elizabeth Koshy and Manoj Chacko](#)
36. Stochastic model for reliability measures of computing machines subject to arrival time of service facility upon hardware failure - [Vipin Gupta and M.S. Barak](#)
37. Markov Approach for Reliability and Availability Analysis of a Three Unit Repairable System - [A.D. Yadav](#)
38. Reliability Properties of Compound Rayleigh Lifetime Distribution-II - [Sirisha G.](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



39. Profit Analysis of a 2-out-of-3: G System with Priority to Repair and Conditional Failure of Service Facility - [Anuradha](#)
40. Designing and Parametric Identification of Optimum Constant Stress Partially Accelerated Life Test Model for Location Scale Distribution with Time Censoring - [Hafis Hakkim A, K. Pradeepa Veerakumari](#)
41. Inference on step stress partially accelerated life test model under Adaptive Type-II Progressive Hybrid Censoring - [Intekhab Alam](#)
42. Reliability Evaluation of Computing Machines using Stochastic Process Subject to Arrival Time of Service Facility upon failure - [Rajesh Kumar and M.S.Barak](#)
43. Reliability Variation Analysis of Series-Parallel System of (m, n_1) order with Addition and Removal of subsystems - [Rajesh Kumar and S.C. Malik](#)
44. Estimation of multicomponent stress-strength reliability for inverse Chen distribution based on upper record values - [Shubhashree Joshi, Parameshwar V. Pandit and Architha, M.](#)
45. A quantile approach on Cox-Czanner divergence and its application - [Silpa Subhash](#)
46. Evaluation of Quick Switching System of Type (QSS-1) Procedure under Reliability Life Testing Based on Percentiles of Rayleigh Distribution through GERT Analysis - [K. Pradeepa Veerakumari and R.N. Sivakasini](#)
47. Logic Diagram Technique for Reliability Evaluation of a Non-Series Parallel System with Arbitrary Failure Probability Distributions - [Sushil Malik](#)
48. Stochastic Analysis of a Non-Identical Repairable System with Operational Priority to Simultaneously Working Units - [Sweety Kadyan](#)
49. Effect of Weather Conditions on Profit Analysis of a System Reliability Model with Preventive Maintenance and Repair - [M.S. Barak and Neeraj.](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



50. Reliability estimation of multicomponent stress-strength model for New Flexible Exponential distribution under progressively type II censored samples. - [Greeshma Chandran and Manoharan M](#)
51. Estimation of Stress- Strength Reliability $R=P[Y<X<Z]$ for Weibull Half Logistic Distribution based on Progressive Type-II Censoring - [Amit Singh Nair](#)
52. A new repair-replacement strategy considering two-dimensional warranty data - [Sanjib Kumar Gupta](#)
53. Development of Quick Switching Single Sampling system -2 for percentile life under log-logistic distribution - [V Kaviyarasu and Anila P](#)
54. Smoothed kernel estimation of conditional dynamic survival entropy - [Lekshmi Krishnan](#)
55. A New Inverse Gaussian Linearized Ridge Estimator in the presence of Multicollinearity- [Nileshkumar H. Jadhav.](#)
56. Some aging notions based on the Laplace transform of bivariate residual life - [Rajesh G., N. Unnikrishnan Nair, Jayalekshmi S.](#)
57. Performance Analysis of Cold Standby Redundant System with Different Failure Modes subjected to Refreshment Facility - [Ajay Kumar, Reena Garg, and M.S. Barak](#)
58. Probabilistic Performance Analysis of a System using Regenerative Point Technique - [Rimpaldeep Kaur, R.K Bhardwaj](#)
59. A New life time distribution: Statistical Inference and its Applications- [Arvind Pandey and Pawan Kumar Singh](#)
60. Reliability Characteristics of a Parallel- Cold Standby System of Pair wise Identical Four Units with Provision of Priority - [Puran Rathi](#)
61. Cost Benefit Analysis of Two Unit Parallel System with working and Rest Time of Repairman - [Vashali Saxena](#)
62. A new lifetime model for non-monotone failure rate data - [Kavya P. and Manoharan M.](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



63. Statistics Inference for multicomponent stress strength from progressively censored power Lindley distribution lifetime model - [Anita Kumari and Kapil Kumar](#).
64. Bayesian Analysis of Competing Risk Model with High dimensional Covariates with an application to Adenocarcinoma Survival - [Rakesh Ranjan, Atanu Bhattacharjee, Rijji Sen and S. K. Upadhyay](#).
65. Strict and Weak Stationary Time Series - [B. L. Bable](#) and [D. D. Pawar](#).
66. Comparison of performances of the Time series forecasting models ANN, ARIMAX, ARIMAX-ANN Hybrid models while forecasting the rice yield inin Telangana state - [K. Supriya](#).
67. Statistical Analysis of Air Traffic of Jet Airways - [Panjala Mounika](#) and [C. Jayalakshmi](#).
68. A Hybrid Model Combining VMD and TDWNN for Time Series Forecasting - [Mrinmoy Ray and K. N. Singh](#).
69. Deep Learning Techniques for Forecasting Agricultural Commodity Prices - [Ranjit Kumar Paul](#).
70. A novel spatiotemporal time series approach for modeling and forecasting rice yield of Andhra Pradesh, India - [Santosha Rathod](#).
71. Dynamic Spatio-temporal Model for Forecasting of Severe Crimes - [Shirke Shrinivas Vijay](#)
72. Effect of Seasonal Level Shift outlier on the residuals of SAR(1) and SMA(1) Models - [Suresh, R. and Shrivallabha, S.](#)
73. Fuzzy Inventory Model for Deteriorating Items with Selling Price Dependent Demand and Variable Rate of Deterioration - [Tanzim S. Shaikh and S.P. Gite](#)
74. Bayesian time series analysis of nifty50 and nifty500 index with RSTAN for Bayesian ARIMA and BSTS package - [Muhammed Navas T and Athar Ali Khan](#)
75. Modeling of Temperature Using Copula Analysis for Anantapur District - [A Rajini and C Jayalakshmi](#)
76. A Predictive Analysis on PM2.5 Emission Using Time Series Models - [Suresh S, Sindhumol M R, Ramadurai M, Kalvinithi D, Sangeetha M](#)
77. Time Series Analysis on Electricity Consumption and its Prediction - [S. Jayashree](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



78. Network Modelling of Contagion in Higher Dimensional Financial Time Series - [Rituparna Sen and Sumanta Basu](#)
79. Statistical Modeling of Poverty in Yemen - [Mansour A. Abdulwasaa, and Sunil V. Kawale.](#)
80. Modelling of Cointegration with Student's t-errors - [Nimitha John](#)
81. Forecasting and Instability of Mango Export from India - [A. A. Bhagat, D. S. Jadhav and A. M. Tirmali](#)
82. Risk Factors for Multidrug-Resistant Tuberculosis (MDR-TB) in Amravati region obtained using classical approach and Bayesian approach - [Rajesh Singh and Shaziya Farah Ahemed](#)
83. Forecasting the Inflation rate in India using NNAR and MLP Models - [R Gautham Goud and M. Krishna Reddy](#)
84. Bayes Analysis of One Shot Device Testing Data with Correlated Failure Modes Using Copula Models - [Ashkamini, Reema sharma and S.K. Upadyay](#)
85. Prediction of Hazard for Melanoma using Artificial Neural Network - [N. Viswanathan and V. Chandar.](#)
86. Row-Column Designs for Two-Level Fractional Factorial Experiments - [Sukanta Dash, Kaushal Kumar Yadav, Baidya Nath Mandal and Raje](#)
87. New Series of Construction for Second Order Rotatable Design - [Ameen Saheb Sk and Bhatracharyulu N. Ch.](#)
88. Analysis of Variance for A Latin Square Design: Non-Parametric Approach - [Anusha, Ch. and Bhatracharyulu, N.Ch.](#)
- 88 A) Bayesian Estimation for Missing Responses in RSD Model - [T. Deepthi](#) and [Bhatra charyulu, N.Ch.](#)
- 89 Bayesian Estimation of Parameters for Missing values in Factorial experimental Designs - [Ajantha Rudhra and Bhatra Charyulu, N.Ch.](#)



International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity

Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics



- 90 Variance Component testing for continuous data from Nested Unbalanced Designs – [Ankita, Susheel Kumar Sarkar & Shashi Shekar](#)
- 91 On Second Order Rotatable Designs of Second Type – A Review - [B. Re. Victorbabu and P. Chiranjeevi](#)
- 92 General Efficiency Variance Balanced Incomplete Block Designs - [T. Shekar Goud](#) and [Bhatracharyulu N.Ch.](#)
- 93 An empirical study of 2×3^2 Factorial Experiments with Logistic Error Distribution - [Sunil Kumar Yadav and Anil Kumar](#)
- 94 On Cubic Response Surface Designs Using Pairwise Balanced Designs - [P. Seshu Babu, and A.V. Dattatreya Rao](#)
- 95 Estimation of Missing Responses in Design and Analysis of Experiments with EM Algorithm - [Kuncham Srinivas and N.Ch. Bhatra Charyulu](#)
- 96 Orthogonal Latin Hypercube Designs with Seven Columns - [Nilesh Kumar](#)
- 97 Webgeneration of Generalised row column Designs (webGRC) – [Anindita Datta](#)
- 97a) Variance Component testing for continuous data from Nested Unbalanced Designs – [Ankita, Susheel Kumar Sarkar and Shashi Shekar](#)
- 98 Construction of Efficient Mixture Designs with Hadamard Matrix - [Poonam Singh and Neha Midha](#)
- 99 Trend Resistant Cost Efficient Minimally Changed Factorial Run Orders Involving Hard-to-Change Factors - [Bijoy Chanda and Arpan Bhowmik, Seema Jaggi, Eldho Varghese, and Anindita Datta.](#)
- 100 Position Balanced Block Designs for Sensory Studies and Consumer Experiments - [P.B. Katore, B. N. Mandal, R. Parsad and S. Dash](#)
- 101 Constructions of three associate constant block sum PBIB designs - [Kaushal Kumar Yadav, Sukanta Dash, Baidya Nath Mandal and Rajender Parsad.](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



- 102 Agricultural Disparity at Grassroot Level: A Statistical Analysis at Block Levels of Sambalpur District - [Suru Munda and Rajendra Gartia](#)
- 103 Effectual Use of Statistical Analysis for Agronomy - [Deepak S Sonawane, Ashok Y Tayade](#)
- 104 A Statistical Analysis of cases of Farmer's Suicide in Maharashtra: An Application of Scan Statistics - [Anjali, B. Rushi Kumar, and Jitendra Kumar](#)
- 105 A Comparative Study of Statistical, Machine and Deep Learning Approaches for Prediction of Onion Prices in India - [Kanchan Sinha, K. N. Singh and Harish Kumar H.V.](#)
- 106 Statistical Modeling on Area, Production and Productivity of Wheat in India - [S. Govinda Rao, G. Mohan Naidu, G. Ramesh and V. Rajendra Prasad](#)
- 107 A Posteriori Study on Gross State Domestic Product of Odisha: Statistical Analysis - [Pritipadma Sahu and Rajendra Gartia](#)
- 108 Develop a Rank Based Composite Index for Assessing High Yielding Stable Crop Varieties - [Prakash Kumar, B.M.K. Raju, and A. K. Paul and Samarendra Das](#)
- 109 An Enquiry into Garbled Agricultural Disparity at grass root Level: A Statistical Analysis at Block Levels of Sambalpur District – [Suru Munda](#)
- 110 Application of Big Data Analytics in Official Statistics in The Field of Indian Agriculture - [Prasily P, M. Manoharan.](#)
- 111 Extreme Learning Machine based Hybrid Model for Agricultural Price Volatility Forecasting in the Presence of Structural Breaks - [Rajeev Ranjan Kumar Girish Kumar Jha and K. N. Singh](#)
- 112 A novel statistical approach for identification of eQTL(s) in plants and animals - [Himadri Shekhar Roy, Ranjit kumar Paul, Amit Kumar Paul](#)
- 113 Food and Nutrition in Indo Gangetic Plain Region -A Disaggregate Level Analysis - [Kaustav Aditya, Saurav Guha and Pankaj Das](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



- 114 Bayesian interval estimation for the parameters of Poisson type Rayleigh class model – [Preeti Badge](#)
- 115 A Generalized Class of Difference and Regression type Estimators in Double Sampling for the estimation of Finite Population Variance - [S. A. H. Rizvi, Abhijeet Vishwakarma](#)
- 116 A Design for Double Sampling Plan (0, 1) Under Fuzzy Environment - [V. Sangeetha and K.S. Karunya](#)
- 117 An Exponential Ratio-type Estimator for Estimating Population Variance with its Efficiency - [N. Sahoo and S. K. Jhankar](#)
- 118 Population Mean Estimation of sensitive variable using non -sensitive auxiliary information in post-stratification under two-phase sampling - [N. Sahoo and S. Dash](#)
- 119 Improved Chain Ratio-type and Chain Product-type Estimators for Population Mode through Linear Transformation Under Double Sampling - [Akhilesh Yadav, Sanjay Kumar](#)
- 120 Enhancement of Exponential Ratio-Type and Product-Type Estimator in Two-Phase Sampling - [N. Sahoo and S.K. Jhankar](#)
- 121 Partial Product Estimators of Population Mean under Simple Random Sampling - [Gagandeep Kaur, Sarbjit Singh Brar](#)
- 122 Quartile Based Cumulative Tsallis Entropy for Maximum Ranked Set Sampling With unequal Samples - [David chris Raju](#)
- 123 Predictive Estimation Of Variance Through Product Estimator - [Ajit Kumar Sabat, RK Sahoo](#)
- 124 Log-type Ratio Estimator of Population Mean in Stratified Sampling using Calibration Approach - [Neha Garg and Menakshi Pachori](#)
- 125 Inventory model with exponential deterioration and shortages for several levels of production - [Agatamudi Lakshmana Rao](#)
- 126 EPQ Model with Generalized Pareto Rate of Production and Weibull decay having Demand as Function of on hand Inventory - [D. Madhulatha, K. Srinivasa Rao, B. Muniswamy](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



- 127 On Parallel and Series Queueing Model with Non-Stationary Service Processes having State Dependent Service Rates - J. Durga Aparajitha and K. Srinivasa Rao
- 128 Applications of Operations Research Techniques for Modeling of Public Healthcare Management - Bithika Das and Goutam Saha
- 129 Inventory Model Under Three Tired Pricing with Two Storage Facilities and Varying Deterioration - Daxa M. Patel and R. D. Patel
- 130 Optimization of Stochastic Demand and Exponential Deterioration type Inventory Model using Evolutionary Algorithm - Sandesh S. Kurade
- 131 A fuzzy quantitative decision-making model for sustainable pharmaceutical supply chain - Firoz Ahmad
- 132 Designing and Characteristics Optimization of Double Sampling Plan using Intervened Poisson distribution - Asif T Thottathil and K. Pradeepa Veerakumari
- 133 Estimation and confidence intervals of a new loss-based process capability index and its applications - Mahendra Sahaa, Anju Devia, Abhimanyu Singh Yadavb and Sudhansu S Maitic
- 134 A Bayesian measure to Process Capability Index under Conjugate Prior - Chetan Malagavi, Sharada V. Bhat
- 135 Estimation of the Change Point in High-Processes in SPC Applications - R. A. Kapase and V. B. Ghute
- 136 Interval estimation of Process Capability Indices for autocorrelated observations - M. M. Deshpande and Dr. V. B. Ghute
- 137 Monitoring process variability using auxiliary information with runs rules - S. A. Pawar and V. B. Ghute



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



- 138 Kaplan Meyer comparison of the effectiveness between Pranayama and Guided Imagery on labour outcomes among primigravid women in selected Hospital at Puducherry - [A. Lokeshmaran, and Ms. V. Poongodi.](#)
- 139 Assessing the effect of several socio-economic determinants on different levels of education: An ordinal regression approach - [Jayanta Deb](#)
- 140 A Regression Method of Estimation for Generalised Extreme Value Distribution. - [Anand. R and C. Chandran](#)
- 141 Prediction of Outcome of Twenty 20 (T20) Cricket using classification Techniques - [Aswini Rajendran, Malolan T A and Prajesh S](#)
- 142 A comparative retrospection of statistical classification techniques on Fisher's Iris data - [Bodhoditya Barma and Saran Ishika Maiti](#)
- 143 A Study of Efficiency for Empowering Women Through SHG - [Prasanta Sahoo and Ranjan Kumar Sahoo](#)
- 144 A competing risk modelling approach for survival of female breast cancer in thereproductive age group - [Subhadra Priyadarshini, Prafulla Kumar Swain & Kunja Bihari Panda](#)
- 145 miRbiom: Machine-Learning on Bayesian Causal Nets of RBP-miRNA interactions successfully predicts miRNA profiles - [Upendra Kumar Pradhan, Nitesh Kumar Sharma, Prakash Kumar, Ashwani Kumar, Sagar Gupta, and Ravi Shankar.](#)
- 146 The Impact of Social Networking Sites on Psychosomatic health and Academic achievements: A statistical analysis of Western Odisha Universities - [Deepak Kumar Behera and Rajendra Gartia](#)
- 147 A Joint Point Regression Analysis of Cause-Specific Mortality of India - [Diptismita Jena, Prafulla Kumar Swain, Pravat Kumar Sarangi](#)
- 148 Bayes Analysis of Life Time Regression Model with High Dimensional Covariates - [Asmita Shukla and Rakesh Ranjan](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



- 149 An Anatomy on Nutrition Status and Inter-dependence factors that trigger its prosperity in Odisha -
Suvashri Suvadarsini and Ranjan Kumar Sahoo
- 150 Detecting Diseases using Voice Biomarkers: A Statistical based ML Approach - Preetam Suman, Dr.
Masood H Siddiqui and Deepak Singh
- 151 Comparison of Variable Selection Methods for High Dimensional Data - Divya P and Suresh S
- 152 A New Mode-Matching Composite Regression Model and Its Application to Motor Vehicle
Insurance Claim Data - Girish Aradhya and Deepesh Bhati.
- 153 Crowding Out Effect: A Statistical Perspective - Sandesh Kirkire and Kavita Laghate
- 154 Lifestyle and health a trifle to part and parcel-A case study - Dr. D. Lalitha Devi, Ms. K. Sangeetha,
Ms. T. Sirisha, Ms. S. Divya , Ms. J. Sai Pavani.
- 155 Classification and Regression Tree (CART) Modelling with Applications to Endometrial Cancer
Survival Data - Manas Ranjan Tripathy, Prafulla Kumar Swain, Pravat Kumar Sarangi and S. S.
Patnaik.
- 156 Random Permutations and Data Structure - Mukta Deshpande and K. S. Bhanu
- 157 Shift in paradigm from traditional learning to e learning - A case study - D.Lalitha Devi, K. Sangeetha,
T. Sirisha, S. Divya , .J. Sai Pavani
- 158 Estimation of the Selected Guarantee Time – Masihuddin
- 159 E-Bayesian estimation and its E-MSE for Chen distribution based on Type II censoring scheme -
Athirakrishnan R.B. and E. I. Abdul Sathar
- 160 Bayesian Estimation for the Parameters of Predator-Prey Model Using Non-informative Prior - [Manoj
Kumar](#)
- 161 Behaviours of Some Non-Parametric tests for Ordered Alternative Approaches - Nabanita Kakati and
Bipin Gogoi



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



- 162 Partition of Asymmetric Measures of Association for Multiway Contingency Table - [Kirtee Kiran Kamalja](#)
- 163 A Special Two Sample Location Problem Based on Subsample Approach - [Deepa Yogesh Kamat and Parameshwar V. Pandit](#)
- 164 Analyzing the behaviour of General Class of Estimators of Population Mean in Presence of Correlated Measurement Errors - [Kumari Priyanka](#)
- 165 Point and interval estimation of a generalized process capability index through classical and Bayesian estimation methods - [Sumit Kumar](#)
- 166 On accurate generalized synthetic estimators for small domain mean using auxiliary characteristics – [Rohini Pokhrel](#)
- 167 Estimation of Area under the ROC curve in the presence of Measurement errors - [G. Siva and R. Vishnu Vardhan](#)
- 168 Some properties of geometric vitality function based on k -records for residual life - [Gayathri, R.](#)
- 169 Performance Analysis of a Cold Standby System using Probabilistic Laws - [Rohtash K. Bhardwaj](#)
- 170 Estimation of Size and Spatial Distribution of Dogs in Madras Christian College Campus, Chennai - [Sudheep Jose and V. Haridoss](#)
- 171 A Study on Association Between the Covariate and the Error in Semiparametric Regression Model - [Sthitadhi Das & Saran Ishika Maiti](#)
- 172 Genomic prediction using Bayesian and BLUP alphabets: a comparative analysis - [Prabina Kumar Meher](#)
- 173 Nonparametric approach to measures of coefficient of variance- [Gururaj N Bhadri](#)
- 174 Inferences for modified Lindley distribution under order statistics with application - [Devendra Kumar](#)
- 175 A Study on Quantile based past Geometric Vitality Function of Order Statistics - [Veena L Vijayan and E. I. Abdul Sathar](#)



**International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity**

**Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics**



- 176 Information measures for intuitionistic fuzzy soft set and their application in decision making - [Sonia, Pratiksha Tiwari and Priti Gupta](#).
- 177 Prediction of Particulate Matter Exceedance Days Using Poisson Hidden Markov Model - [Suresh S, Sindhumol M R, Ramadurai M, Sangeetha M, Kalvinithi D](#)
- 178 Stochastic Study of a Standby System with Rectifiable Server - [P. Sonker and R.K. Bhardwaj](#)
- 179 Performance Evaluation and Stochastic Analysis of Cold Stand by System with Switch Mechanism Inspection and Server Failure - [P. Sonker and R.K. Bhardwaj](#)
- 180 Performance Measures of Rejuvenating System Using Semi-Markov Process - [Lakhwinder Sharma, R.K. Bhardwaj](#).
- 181 Long-Run Behaviour of a Standby System subject to Server Failure and Inspection - [Ravinder Singh and R.K. Bhardwaj](#).
- 182 Some Uses of Markovian Theory in Marketing Strategy: A Case Study on Bath Soap Brand - [Saradaprasan Jena, and Ranjan Kumar Sahoo](#)
- 183 Statistical Dependent Risk Model for Insurance Claim, Renewal and Surplus Processes through Ruin Theory - [V. Nirmala, G. Jagath Prasad Sreedhar and K. K. Suresh](#).
- 184 Availability Optimization of Condenser Unit of Turbine Power Plants using Nature Inspired Algorithms - [Ashish Kumar, Monika Saini, Nivedita Gupta](#).
- 185 Comparison of Multiplicative Frailty Models Under Generalized Log-Logistic-II Baseline Distribution for Counter Heterogeneous Left Censored Data - [Pragya Gupta, Arvind Pandey, Shikhar Tyagi](#).
- 186 Mts and Water Supply are essential for the operation of GDC and MLDB Systems - [Ramanpreet Kaur, Upasana Sharma](#)
- 187 Reverse Supply Chain Models with Fuzzy Stochastic Remanufacturing Capacity - [R.V. Latpate and M.R. Bhosale](#)



International Virtual Conference on Statistics & Data Science:
Theory & Practice for Progress and Prosperity

Organized by
Department of Statistics, UCS, Osmania University
& Indian Society for Probability & Statistics



- 188 Note on Stochastic Behavioral Models in Consumer Behavior - [K. Kumaraswamy](#), and [N.Ch. Bhatra Charyulu](#)
- 189 Post Covid-19 Share Market Predictions through Markov Models - [Tirupathi Rao Padi](#) and [Jhilam Sur](#).
- 190 A New mode – matching composite Regression model and its Applications to motor vehicle insurance claiming data – [Girish Aradhya](#)
- 191 Measuring productive efficiency of Indian private sector Banks: A Slack based measure of data envelopment analysis approach – [B. Vittal](#)
- 192 Disparities in mental health services utilization across caste and gender: A statistical study from central institute of psychiatry, Ranchi – [Hariom pachori](#), [Dr. Ranjan Kumar](#), [Dr. B Das](#), [Dr. Avinash Sharma](#), [Dr. Dipanjan Bhattacharjee](#)
- 193 A New version of Adya Distribution with real life data – [G. Prabhavathi](#)
- 194 Estimation of Area under the ROC curve in the framework of Gamma Mixtures - [Arunima S Kannan](#) and [R Vishnu Vardhan](#)
- 195 A Bayesian measure to Process Capability Index under Conjugate Prior - [Chetan Malagavi](#), [Sharada V. Bhat](#)
- 196 Variance component testing for continuous data from nested unbalanced designs - [Ankita](#), [Susheel Kumar Sarkar](#) & [Shashi Shekhar](#)
- 197 Predictive Modeling approach in Support Vector Regression - [S. Kalaivani](#) and [R.Muthukrishnan](#).
- 198 Role of Statistics in Disaster Management – [Harshita](#)
- 199 Study on influence of Patriarchal mindset on Girl child Education and Women’s Freedom to take up business activity in nuclear families – [Madhusmitha Tripathy](#)