DEPARTMENT OF STATISTICS
FACULTY OF MATHEMATICAL SCIENCES
UNIVERSITY OF DELHI
DELHI-110007

Recent Publications of the Faculty Members Since 2012

The faculty members publish papers in national and international journals. The following is a partial list of the publication.

Research Publications

Year: 2024

1. Pandey, R., Chand, D. B., & Tolani, H. (2024). Bayesian multiple linear regression model for GDP in India. International Journal of System Assurance Engineering and Management, 1-18. https://doi.org/10.1007/s13198-023-02233-3.
2. Singh, P. and Shukla, H. (2024). Uniform mixture designs using designs in 2-dimensional spherical region. Journal of Xidian University**, 18**(2), 192-223.
3. 19. Kumar, S., Pathak, A., and Kumar, M. (2024). Bayesian estimation: Number of species from Poisson mixed exponential-gamma distribution using objective priors, Journal of Statistics & Management Systems, pp:703-720, https://doi.org/10.47974/JSMS-1245.
4. Saha, M., Devi, A., Yadav, A. S., & Maiti, S. S. (2024). Evaluation of a novel loss-based process capacity index and its applications. International Journal of System Assurance Engineering and Management, 1-14. 1007/s13198-023-02235-1.
5. Saha, M., Pareek, P., Tripathi, H., and Devi, A. (2024). Time truncated attribute control chart for the generalized Rayleigh distributed quality characteristics and beyond. International Journal of Quality and Reliability Management. 10.1108/IJQRM-02-2023-0049.

Year: 2023

1. Pandey R., and Tolani H., (2023). A Bayesian Perspective of Middle-Batting Position in ODI Cricket. Journal of Sports Analytics. 9(1), pp. 99 – 108.

2. Pandey, R., Chand, D. B., & Tolani, H. (2023). Bayesian multiple linear regression model for gross domestic product in Bhutan. Advances and Applications in Statistics, 87(2), 161-190.
3. Pandey, R., Chand, D. B., & Tolani, H. (2023). Bayesian Multiple Linear Regression Model for GDP in Nepal. International Journal of Statistical Distributions and Applications. 9(1), pp. 9-23. doi: 10.11648/j.ijsd.20230901.12
4. Singh, P., Mazumder, M. D. and Babu, S. (2023). Construction of Nearly Orthogonal Arrays Mappable into Fully Orthogonal Arrays of Strength Two and Three. International Journal of Mathematics and Statistics, 24(1), 37-50.
5. Banik, S., Das, M., Saha, I., Gong, R., Singh, P., Kim, J., and Das, R.N. (2023). Prostate cancer and cardiovascular disease: Correlated? Onkologia i Radioterapia, 17 (2), 55-6.
6. Akhter Z., Almetwally E. M. and Chesneau C. (2022): On the generalized Bilal distribution: Some properties and estimation under ranked set sampling. *Axioms*, 11(4), 173.
7. Pandey, R., and Chand, D. B. (2023). Modelling and Forecasting the Gross Domestic Product of the Nepal Using Autoregressive Integrated Moving Average Models. International Journal of Statistics and Reliability Engineering. Vol. 10 (2), pp. 456- 465.
8. Singh, P., and Sharma, R., (2023). Construction of Partial Diallel Crossing System using Latin Square Designs. International Journal of Agricultural and Statistical Sciences. Vol.19, No.2, pp. 851-858.
9. Singh, P., and Sharma, R., (2023). Construction of Complete Diallel Crossing System using Latin Square Designs. International Journal of Statistics and Reliability Engineering. Vol.10, No.3., pp. 597-602.
10. Singh, P., Mazumder, M. D. and Babu, S. (2023). Nearly Orthogonal Arrays Mappable into Symmetric Orthogonal Arrays of Strength Two. International Journal of Statistics and Reliability Engineering***, 17****(8), 621-638*
11. Singh, P., Mazumder, M. D. and Babu, S. (2023). On the Construction of Mappable Nearly Orthogonal Arrays Using BIBD. *Journal of Xidian University****, 17****(8), 621-638.*
12. Singh, P., and Shukla, H. (2023). Uniform mixture designs using designs in 2-dimensional spherical region. International Journal of System Assurance Engineering and Management, 14(5), 1888-1897.

13. Singh, P., Mazumdar, M. D., and Babu, S. (2023). Mappable Nearly Orthogonal Arrays Using Projective Geometry. *Turkish Journal of Computer and Mathematics Education (TURCOMAT), 14(03)*, 454-464.
14. Singh, P., and Kumar, N. (2023). Orthogonal Latin Hypercube Designs with Eight Factors. *International Journal of Agricultural and Statistical Sciences*, 19(1), 427-434.
15. Chandra, G., Tampta, B.P., Mohanti, M., Pandey, A. and Latpate, R. (2023). Population and Production of Seed of *Buchanania lanzan* Spreng in Dhenkanal Forest Division of Odisha, India, *Indian Forester*, 149(11), 1133-1139.
16. Tyagi, S., Agiwal, V., Kumar, S., & Chesneau, C. (2023). Theory and practice of a bivariate trigonometric Burr XII distribution. Afrika Matematika, 34(3), 49.
17. Kumar S., Pathak A., Kumar M., Singh S., and Gupta R. (2023). Bayesian Inference for Functional Response of Stochastic Predator-Prey Model Using Non-Informative Prior International Journal of Agricultural and Statistical Sciences, Vol. 19, No. 2, pp. 891-898, pp:1-3. DOI: https://doi.org/10.59467/IJASS.2023.19.891.
18. Pathak, A., Kumar M., Singh S. and Singh U. (2023). Topp–Leone Poisson Exponential Distribution: A Classical and Bayesian Approach, Journal of the Indian Society for Probability and Statistics, Springer, pp: 393-417. DOI: 10.1007/s41096-023-00159-4.
19. Pathak, A., Kumar M., Singh, S., Singh, U and Kumar, S. (2024). Bayesian estimation of the number of species from Poisson-Lindley stochastic abundance model using non-informative priors, Computational Statistics, Springer, pp: 1-24, https://doi.org/10.1007/s00180-024-01464-7.

Year: 2022

1. Pandey, R., Srivastava, P. and Ali, D. (2022). Bayesian Risk Analysis for Length Biased Log Logistic Distribution under Different Loss Functions. Journal of Scientific Research, ISSN: 447-9483.
2. Pandey, R. and Srivastava, P. (2022). Bayesian Estimation for the Two Log-Logistic Models Under Joint Type II Censoring. Journal of Reliability and Statistical Studies, ISSN: 0974-8024.
3. Zuber Akhter, Ehab M. Almetwally and Christophe Chesneau (2022). On the Generalized Bilal Distribution: Some Properties. Axioms, MDPI, ISSN:2075-1680.

4. Akhter,Z., Mir Mostafaee, S. M. T. K. and Ormoz E. On the Order Statistics of Exponentiated Moment Exponential. Journal of Statistical Computation and Simulation, Taylor & Francis, ISSN:1563-5163.
5. R. Pandey and P. Srivastava (2022). Estimation for the Length Biased LogLogistic Model Under Adaptive Progressive Type II Censoring. International Journal of System Assurance Engineering and Management, 1-11. https://doi.org/10.1007/s13198- 022-01769-0. UGC LISTED. ISSN: 0975-6809. IF: 3.2
6. R. Pandey and H. Tolani (2022). Crime Patterns in Delhi: A Bayesian Spatio-temporal Assessment. International Journal of System Assurance Engineering and Management. 13(6), pp. 2971-80
7. R. Pandey and H. Tolani (2022). Penalized Splines Model to Estimate time- varying Reproduction Number for Covid -19 in India: A Bayesian Semi-Parametric Approach. Clinical Epidemiology and Global Health. 18, 101176
8. Kim, J., Das, M., Saha, I., Sinha, P., Singh, P., and Das, R. N. (2022). Inter-relationship between homeostasis model assessment of insulin resistance & breast cancer biomarkers, Onkologia i Radioterapia, 16(4), 34-38.
9. Singh, P., and Sharma, R. (2022). Construction of Complete Diallel Crosses Plans using Galois Field. International Journal of Agricultural and Statistical Sciences, 18 (2), 813-820.
10. Dey, S., Nassar, M., Ali, S., Kumar, D., & Raheem, E. (2022). Comparison of Estimation Methods of the Power Generalized Weibull Distribution. Statistica, 82(4), 339–372. https://doi.org/10.6092/issn.1973-2201/12924.
11. Zuber Akhter, Ehab M. Almetwally and Christophe Chesneau (2022): On the generalized
12. Bilal distribution: Some properties and estimation under ranked set sampling. Axioms, 11(4), 173.
13. Singh, P., and Kumar, N. (2022). Some New Families of Orthogonal Latin Hypercube Designs with Nine Columns. International Journal of Statistics and Reliability Engineering, 9(3), 347-352.

Year: 2021

1. Chakravarty, S., Grover, G., & Aggarwal, S.(2021).Association of Socioeconomic and Demographic Factors With COVID-19 Related Health Outcomes in SAARC Nations. Statistics and Applications, ISSN:2452-7395.

2. Deo,V. and Grover,V.(2021) A new extension of state-space SIR model to account for underreporting- An application to the COVID-19 transmission in California and Florida.Results in Physics, 22113797.
3. Grover, G., Saini, R., Ravi, V. & Varshney, M.K. (2021). Markov Chain Modelling of Persistency for Life Insurance in India. Stochastic Modeling & Applications, ISSN:0972-3641.
4. Grover, G., & Aggarwal, S. (2021). A Study Comparing Cost-Effectiveness of Combination Therapy for Preventing Opportunistic Infections Among Human Immunodeficiency Virus–Infected Adults on Antiretroviral Therapy. Value in Health Regional Issues, ISSN:2212-1099.
5. Ravi, V., Saini, R., Varshney, M. K. & Grover, G. (2021). Modelling of survival time of life insurance policies in India: a comparative study. International Journal of System Assurance Engineering and Management, ISSN:0975-6809.
6. Grover, G., & Magan, R. (2021). Estimation and comparison of poverty line in different states of India by using Quality Adjusted Life year (QALY). Health Science Journal, ISSN:1108-7366.
7. Alsubie,A., Akhter,Z.,Athar,H., Alam,M., Abd EL-Baset A. Ahmad, Gauss M. Cordeiro & Ahmed Z. Afify (2021). On the Omega Distribution: Some Properties and Estimation. Mathematics, MDPI, ISSN:2227-7390.
8. Akhter,Z., MirMostafaee, S. M. T. K.& Ormoz. E. (2021). On the orderstatistics of exponentiated moment exponential distribution and associated inference. Journal of Statistical Computationand Simulation, ISSN:1563-5163.
9. Kim, J., Das, R. N., Singh, P., and Lee, Y. (2021). Robust second-order rotatable designs invariably applicable for some lifetime distributions. Communications for Statistical Applications and Methods (CSAM), Vol. 28.
10. Singh, P., Sarin, V., Midha, N. (2021). Mixture designs generated using orthogonal arrays based on pairwise orthogonal Latin squares. International Journal of Agricultural Statistical Sciences.
11. Singh, P., Sarin, V., Midha, N. (2021). Mixture designs generated using orthogonal arrays from mutually orthogonal Latin squares. Statistics and Applications. Vol. 19, ISSN: 2452-7395.
12. Singh, P. and Kumar, A. (2021). Bayesian D-optimal Designs for Beta Regression Model, International Journal of Statistics and Reliability Engineering, 8(1), Vol. 8(1), ISSN(P): 2350-0174; ISSN(O):2456-2378.

13. Singh, P. and Kumar, A. (2021). Bayesian D-optimal Designs for Beta Regression Model. International Journal of Statistics and Reliability Engineering, 8(1), Vol. 8(1), ISSN(P): 2350-0174; ISSN(O):2456-2378.
14. Garg,S., Patro R. K., Behera,S., Tigga N. P. and Pandey,R.(2021).An Overlapping Sliding Window and Combined Features based Emotion Recognition System for EEG Signals. Applied Computing and Informatics, IEEE Access, ISSN: 2634-1964.
15. Pandey,R. and Ali ,D.(2021).Bayesian Analysis of Nakagami Distribution. Journal of Scientific Research, ISSN: 0447-9483.

Year: 2020

1. Grover, G., Chakravorty, Sangeeta, Thakur, A. K. (2020). Estimation of Cure Fraction and Misclassification Probabilities for HIV/AIDS Patients Under ART Using Continuous Time Hidden Markov Model. Statistics and Applications, ISSN:2452-7395.
2. Grover,G., and Deo.V. (2020). Parametric Survival and Multinomial Dirichlet Bayesian Models within Multi-state Setup for Cost Effectiveness Analysis of Two Alternative Chemotherapies for Chronic Lymphocytic Leukaemia Patients, Statistics and Applications, ISSN:2452-7395.
3. Varshney, M. K., Sharma, A., Goel, K., Ravi, V., & Grover, G. (2020). Estimation of transition probabilities for diabetic patients using hidden Markov model. International Journal of System Assurance Engineering and Management, ISSN: 0975-6809.
4. Garg R., Dube M. and Krishna H. (2020). Estimation of parameters and reliability characteristics in Lindley distribution using randomly censored data. Statistics, Optimization & Information Computing, ISSN: 2310-5070..
5. Pushkarna, N., Saran, J. and Verma, K. (2020). Progressively Type-II Right Censored Order Statistics from Hjorth Distribution and Related Inference, Statistics, Optimization & Information Computing, ISSN:2310-5070.
6. Grover, G., & Thakur, A. K. (2020). On Containment Plan Amid COVID-19 in Red Zone Districts of India: Using Clinical Life Table and Cure Fraction Model, Journal of Communicable Diseases, ISSN:0019-5138.
7. Grover, G., Chakravorty, Sangeeta, Thakur, A.K. (2020). Estimation of Cure Fraction and Misclassification Probabilities for HIV/AIDS Patients Under ART Using Continuous Time Hidden Markov Model.Statistics and Applications, ISSN:2452-7395.

8. Grover, G., Vinit, P.K. & Sehgal, V.K. (2020). Estimation of premium cost for HIV/AIDS patients under ART. International Journal of System Assurance Engineering and Management, ISSN:0975-6809.

Year: 2019

1. Chaturvedi, A. and R.Bapat ,S. (2019). Multi-stage point estimation of the mean of an inverse Gaussian distribution. Journal of Sequential Analysis.
2. Chaturvedi, A. and R.Bapat ,S. (2019).Sequential minimum risk point estimation of the parameters of an Inverse Gaussian Distribution. American Journal of Mathematical and Management Sciences, ISSN: 0196-6324.
3. Deo, V., and Grover,G.(2019)..A New Approach to Evaluate Quality Adjusted Life Years using Proxy Utility Function-An Application to HIV/AIDS Data. Journal of Communicable Diseases, ISSN: 0019-5138.
4. Grover,G., Das.R.N, and Magan,R.(2019).On the estimation of QALD (Quality Adjusted Life Days) based on expenditure data for Childbirth and Maternity services in India using utility theory. Indian Journal of Economics and Development, ISSN:2277-5412.
5. Thakur, A.K., Grover,G., and Adeleke,K.(2019).Effect of Prognostic Factors on Survival Time of Patients of Cardiovascular Disease using Quantile Regression.Journal of Communicable Diseases, ISSN: 0019-5138.
6. Goel,K., Grover,G., Sharma,A., Bae S.(2019).Multistate Markov model for predicting the natural disease progression of type 2 diabetes based on hemoglobin A1c. Journal of Nephropharmacology, ISSN: 2345-4202.
7. Grover,G., Sabharwal,A., Kumar,S., Thakur,AK.(2019).On the estimation of misclassification probabilities of chronic kidney disease using continuous time hidden Markov models, Journal of Nephropharmacology, ISSN:2345-4202.
8. Sabharwal, A., Grover, G., & Kaushik, S.(2019).Testing the difference between bipolar disorder and schizophrenia on the basis of the severity of symptoms with C (α) test. Journal of Applied Statistics, ISSN:1360-0532.
9. Sabharwal,A., Grover,G., Kumar,S.(2019).Statistical Significance of Prognostic Factors on The Progression Of Chronic Kidney Disease Through Simulation Study. Journal of Nephropharmacology, ISSN:2345-4202.

10. Akhter.,Z.; MirMostafaee.,S.M.T.K and Athar.,H.(2019).On the moments of order statistics from the standard two-sided power distribution. Journal of Mathematical Modeling, ISSN:2345-394X.
11. Pandey.R., Kumar.J and Kumari,N.,(2019)Bayesian Parameter Estimation of Beta Log Weibull Distribution under Type II Progressive Censoring. Journal of Statistics and Management Systems, ISSN:2169-0014.
12. Chaturvedi A., Kumari T., Kumar N.(2019). Numerical study of robust Bayesian analysis of a generalized inverted family of distributions based on progressive type II right censoring. Communications in Statistics-Simulation and Computation, Print ISSN: 0361-0918 Online ISSN: 1532-4141.
13. Chaturvedi A, Bapat S.R, Joshi,N.(2019).Sequential minimum risk point estimation of the parameters of an Inverse Gaussian Distribution. American Journal of Mathematical and Management Sciences, Print ISSN: 0196-6324 Online ISSN: 2325-8454.

Year: 2018

1. Aggarwal, M.L., Singh, P., Sarin, V. and Goel, R.(2018).Projected mixture designs based on weighing Matrices International Journal of Experimental Design and Process Optimisation, 5(4), 285-300.
2. Aggarwal, M.L., Singh, P., Sarin, V. and Goel, R. (2018). Orthogonally Blocked Mixture Designs for Darroch and Waller Model. International Journal of Agricultural and Statistical Sciences, 14(1), 239-250.
3. Grover, G. and Sharma, A. (2018). the Effect of Reduction of Predictors Affecting the Survival Time of HIV/ AIDS Patients using a Multiple Correlation/ Association Technique. Journal of Communicable Diseases, 50, 15-21.
4. Varshney, M.K. Grover, G., Ravi,V and Thakur, A. K.(2018) .Cure Fraction Model for the Estimation of Long-term Survivors of HIV/AIDS Patients under Antiretroviral Therapy. Journal of Communicable Diseases, 501-10.
5. Mukhopadhyay, N., Chaturvedi, A. and Malhotra, A. (2018). Two-stage procedures for the bounded risk point estimation of the parameter and hazard rate in two families of distributions. Journal of Sequential Analysis, 37 (1), 69-89.
6. Chaturvedi, A. and Malhotra, A. (2018): Estimation of P(X>Y) for the positive exponential family of distributions. Statistica: 78 (2), 149-167.

7. Chaturvedi, A., Belaghi, A.R. and Malhotra, A. (2018). Preliminary test estimators of the reliability characteristics for the three parameters Burr XII distribution based on records.International Journal of System Assurance Engineering and Management. https://doi.org/10.1007/s13198-018-0710-4.
8. Chaturvedi, A. and Kumari,T. (2018): Robust Bayesian analysis ofgeneralized inverted family of distributions. Communications in Statistics-Simulation and Computation (Taylor & Francis). https://doi.org/10.1080/03610918.2018.1438619.
9. Chaturvedi, A. and Kumari, T. (2018): Estimation and testing procedures of the reliability functions of generalized inverted scale family of distributions. Statistics: https://doi.org/10.1080/02331888.2018.1527843. ISSN:0233-1888.
10. Chaturvedi, A., Kumar, N. and Kumar, K, (2018): Statistical inference for the reliability functions of a family of lifetime distributions based on progressive type II right censoring. Statistica, 78 (1), 81-101.
11. Pandey, R. and Kumari, N. (2018). Estimation for ISB p-dim Rayleigh distribution under progressive type-II censored data using different loss functions. International Journal of Engineering, Science and Mathematics. 7(1), 467-477.
12. Pandey, R. and Kumari, N. (2018). Bayesian Estimation for ISB p-dim Rayleigh distribution under progressive type-II censored data using Lindley's Approximation.World Wide Journal of Multidisciplinary 4(1), 207-211.
13. Pandey, R. and Yadav, K. (2018). On Variance Estimation under Factor Type Imputation using Auxiliary Attribute. International Journal of Agricultural and Statistical Sciences, 14(1), pp. 95-101.
14. Pandey, R. (2018). Book review on Information Geometry and Population Genetics, The Mathematical Structure of the Wright - Fisher Model by Julian Hofrichter, JurgenJost and Tat Dat Tran, Springer (2017) : ISSN 1860-0832 in Canadian Studies in Population, 45(1-2), 93-94.
15. Kumari, T., Vachher, M., Bansal, S., Bamezai, R. N.K., and Kumar, B. (2018). Meta-Analysis of Mitochondrial T16189C for Cancer and Type 2 Diabetes risk. Clinica Chimica Acta, https://doi.org/10.1016/j.cca2018.03.041.
16. Kumari, T. and kumar, B. (2018). High-mobility group box 1 protein (HMGB1) gene polymorphisms and cancer susceptibility: A comprehensive meta-analysis. Clinica Chimica Acta, 483, 170-182.

17. Verma, K., Sarana, J.and Pushkarna, N. (2018). Relationships for moments of generalized order statistics from Erlang-truncated exponential distribution and related inference. ProbStat Forum, 11, 91–103.

Year: 2017

1. Swain, P. K., Grover, G., Chakravorty, S., Goel, K., & Singh, V. (2017). Estimation of Number of Involved Lymph Nodes in Breast Cancer Patients using Bayesian Regression Approach. J. Stat. Appl. Pro. Lett. USA, 4(1), 17-25.
2. Grover, G., Goel, K. and Seth, D. (2017). Application of Univariate Frailty Models in Modeling Survival Data with a Cured Fraction. Journal of Applied Quantitative Methods, Ilaly, 11(4).
3. Gupta, V. K., & Grover, G. (2017). Multiple imputation for gamma outcome variable using generalized linear model. Journal of Statistical Computation and Simulation, 87(10), 1980-1988.
4. Grover, G. & Goel, K. (2017). Estimating the Cure Fraction among Cancer Patients by using Promotion Time Cure Rate Model with Negative Binomial Distribution. Journal of Applied Quantitative Methods, Italy, 11(4).
5. Chaturvedi, A. and Vyas, S. (2017). Estimation and testing procedures for the reliability functions of exponentiated distributions under censorings. Statistica, 77 (1), 13-31.
6. Chaturvedi, A. and Malhotra, A. (2017). Inference on the parameters and reliability characteristics of three parameter Burr distribution based on records. Applied Mathematics and Information Science, 11(3), 1-13.
7. Chaturvedi, A. and Kumari, T. (2017). Robust Bayesian analysis of generalized half logistic distribution. Statistics, Optimization and Information Computing, 5, 158-178.
8. Chaturvedi, A. and Nandchahal, S. (2017). Shrinkage estimators of the reliability characteristics of generalized half logistic distribution. International Journal of Linguistics and Computational Applications, 1, 29-36.
9. Chaturvedi, A. and Kumari, T. (2017). Estimation and Testing Procedures for the Reliability Functions of a General Class of Distributions. Communications in Statistics-Theory and Methods, Vol. 46, No. 22, 11370-11382. ISSN: 0361-926.
10. Chaturvedi, A. and Kumari, T. (2017). Estimation and comparison of the stress-strength models with more than two states under Weibull distribution and type II censoring scheme.

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12. Chaturvedi, A. and Vyas, S. (2017). Estimation and testing procedures for the reliability functions of three parameter Burr distributions under censorings. Statistica, LXXVII(3), 2017.
13. Chaturvedi, A. and Kumar, N. (2017). Estimation and testing procedures for the reliability functions of the Moore and Bilikam family of lifetime distributions under progressive type-II right censoring. Journal of Combinatorics, Information and System Sciences, 42(1-2), 1-30.
14. Pandey, R. and Kaur, C. (2017). Spatial Analysis of Factors Influencing BirthPatterns in the States of India. Journal of Scientific Research, 9(1), 43-56.
15. Pandey, R. and Yadav, K. (2017). Population Variance Estimation using Factor Type Imputation Method.Statisticsin Transition new series, 18(3), 375-392.
16. Pandey, R. and Kumari, N. (2017). Bayesian Estimation for Inverse Size Biased p-Dimensional Rayleigh Distribution. International Journal of Essential Science, 11 (1 & 2), 16-24.
17. Budhraja, V., Thapliyal, P. (2017). Restricted Randomized Two-Level Fractional Factorial Designs using Gray Code, International Journal of Computer & Mathematical Sciences, 6(7), 1-7.

Year: 2016

1. Saran, J. and Nain, K. (2016). Recurrence relations for marginal and joint moment generating functions of generalized order statistics from a new class of Pareto distributions. To appear in Journal of Statistical Theory and Applications, 15.
2. Saran, J., Pushkarna, N. and Tiwari, R. (2016). Relationships for moments of generalized order statistics from a general class of distributions. ProbStat Forum, 09, 80-87.
3. Jha, M.K., Singh, P. and Priyadarshini, G. (2016). Cross-over Designs for a model with self and mixed carryover effects. ProbStat Forum, 9, 35-43.

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5. Singh, P., Thapliyal, P. and Budhraja, V. (2016). Construction of Linear Trend Free Fractional Factorial Designs using Linear Codes. International Journal of Agricultural and Statistical Sciences, 12(1), 13-19.
6. Singh, P., Jha, M.K. and Priyadarshini, G. (2016). Nested Crossover Designs. Model Assisted Statistics and Application, 11, 247–259.
7. Singh, P., Jha, M.K. and Priyadarshini, G. (2016). Partially Balanced Cross-Over Designs for Consumer trials. Sri Lankan Journal of Applied Statistics, 17(2), 71-85.
8. Swain, P. K., Grover, G., and Goel, K. (2016). Mixture and Non-Mixture Cure fraction Models based on Generalized Gompertz Distribution under Bayesian approach. Tatra Mountains Mathematical Publications, Slovakia, 66, 121-135.
9. Varshney, M.K. Ravi, V., Grover, G., Godpayle, A.K. & Chander S.(2016). Survival Pattern of AIDS Patients by Different Types of TB and Associated Prognostic Factors. Demography India, Vol.45, Issue:1&2,pp:131-142, ISSN:0970-454X.
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11. Grover, G., Gupta, V. K., and Swain, P.K. (2016). Estimation of Sub-distribution Hazard ratio of HIV/AIDS Patients for Interval Censored Data with Loss to follow up as a Competing Risk. J. Commun. Dis, 48(3), 22-28.
12. Swain, P.K. and Grover, G. (2016**).** Determination of Predictors Associated with HIV/AIDS Patients on ART Using Accelerated Failure Time Model for Interval Censored Survival Data. American Journal of Biostatistics (USA*)*, 61, 12-19.
13. Swain, P.K. and Grover, G. (2016). Accelerated failure time shared frailty models: Application to HIV/AIDS patients on anti retroviral therapy in Delhi.Turkiye Klinikleri Journal of Biostatistics. 8(1) pp. 13:20
14. Chaturvedi, A and Nandchahal, S. (2016). Shrinkage estimators of the reliability characteristics of a family of lifetime distributions. Statistica, LXXVI (1), 1-26.
15. Pandey, R. and Chaturvedi, A. (2016). Bayesian inference for stat space model with panel data. Statistics in Transition New Series, 17(2), 211-220.
16. Pandey, R., Yadav, K. and N. S. Thakur (2016). Adapted Factor-Type Imputation Strategies. Journal of Scientific Research, 8(3), 321-339.

17. Pandey, R., Yadav, K. (2016). An Alternative Class of Exponential Ratio-Product Type Mean Imputation Using Auxiliary Information. Journal of Applied Probability and Statistics, 11(2), 125-141.
18. Pandey, R. and Yadav, K. (2016). Mean estimation under Imputation based on Two-hase Sampling Design using an Auxiliary Variable. Pakistan Journal of Statistics and Operation Research, 12(4), 639-658.
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Year: 2015

1. Saran, J., Pushkarna, N. and Tiwari, R. (2015). Moment properties of generalized order statistics from Lindley distribution. Journal of Statistics Applications & Probability, 4(3), 429-434.
2. Pushkarna, N., Saran, J. and Tiwari, R. (2015). L-moments and TL-moments estimation and relationships for moments of progressive type-II right censored order statistics from Frechet distribution. ProbStat Forum, 08, 112-122.
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