

Dr. Hemani Sharma

Date of birth: April 6, 1997

Father's name: Shri Chanchal Kumar

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Educational Qualification:

- **Details of Ph.D:**
 - **Ph.D. Thesis Title:** A study on Bayesian and E-Bayesian Estimation of Entropy and Parameters of some Probability Distributions Under Censoring.
 - **Mode of Ph.D:** Full Time
 - **Name of the University:** University of Jammu, Jammu, J&K
 - **Status:** Awarded (2024)
- Passed M.Sc. in Statistics from Department of Statistics, University of Jammu, J&K with 89.20% in the year 2019.
- Passed B.Sc. Examination from Govt. Degree College for Women, Gandhi Nagar, Jammu, J&K, India with 74.96% in the year 2017.
- Passed Senior Secondary Examination from J&K Board of School Education with 91.8% in the year 2014.
- Passed High School Examination from J&K Board of School Education with 86.4 % in the year 2012.

Achievements

- UGC-NET Qualified in Population Studies held in July 2022.
- Qualified JKSET in Mathematical Sciences in July 2022.
- Received Gold Medal from University of Jammu for securing First Position in the M.Sc.

Fellowship/Scholarship

- Received Centre Sector Merit Scholarship from 2015 to 2019.
- DST INSPIRE Fellowship from Govt of India.

Skills

- Working Knowledge of Statistical Softwares like SPSS, R, MatLab, Python.
- Language: C, C++, R, MatLab.
- Acquaintance with Microsoft Office, LaTeX.

Conferences and Workshops

- Presented a paper entitled “Prior Preferences for Inverse Power Lomax Distribution: Bayesian Method” in the International Conference organised by the Banaras Hindu University, Varanasi during 15-17 December, 2021.
- Presented a paper entitled “E-Bayesian and Hierarchical Bayesian Estimation for Inverse Power Lomax Distribution under Different Loss Functions” in the International Conference organised by the University of Rajasthan, Jaipur during 23-25 September, 2022.
- Presented a paper “E-Bayesian and Hierarchical Bayesian Estimation of Hazard Rate for Kumaraswamy Distribution” in the International Conference organised by the University of Jammu, J&K during 15-17, February, 2023.
- Attended one day international webinar on “Current State of Econometrics and Career Projects of Young Minds” organised by

the Department of Statistics, Central University of Rajasthan on 12 September, 2022.

- Participated in the National Webinar entitled “Recent Advances in Mathematics, Statistics and Computer Science” held at Post Graduate Govt. College Chandigarh on 29 January, 2021.
- Attended workshop on SPSS organised by the Department of Statistics, University of Jammu during 13-17 March, 2023.
- Attended three days workshop on Data Analysis using SPSS organised by Department of Statistics, Manipur University, Canchipur, India during October, 18-20, 2021.
- Attended one week National workshop on “Statistical Techniques Computation using R” organised by University School of Open Learning, Panjab University, Chandigarh.
- Attended One week workshop on R software organised by the Department of Statistics, University of Jammu held on November, 2019.
- Attended One week workshop on Research Methodology organised by the Department of Computer Science, University of Jammu during October, 15-21, 2019.
- Attended a one week workshop on “An Advanced Training Program on Bayesian Modelling and Simulation” organised by BST-CIMS, Banaras Hindu University, Varanasi during January, 2-8, 2023.
- Attended a four days workshop on “Machine Learning” organised by the Department of Statistics, University of Jammu, Jammu, during December, 1-4, 2023.
- Presented a paper entitled “On Survival Estimation of Lomax Distribution under Adaptive Progressive Type-II Censoring.” Organised by University of Kerala during Dec. 15-18, 2023.
- Presented a paper entitled “E- and H-Bayesian Estimation of Generalized Inverted Exponential Distribution under Progressive Type-II Censoring.” Organised by University of Allahabad during Feb. 6-8, 2024.
- Attended a FDP on “Data Analytics Through R Software” organised by the Department of Statistics, University of Jammu, Jammu, during March, 4-8, 2024.

Published/Accepted Papers

- Parmil Kumar and Hemani Sharma. (2023). Prior Preferences for Inverse Power Lomax Distribution: Bayesian Method. *J.Stat. Appl. Pro. Lett.* 10(1), 46-62.
- Hemani Sharma and Parmil Kumar. (2024). E-Bayesian and Hierarchical Bayesian Estimation of Hazard Rate for Kumaraswamy Distribution. *Journal of Statistics Applications and Probability.* 13(1), 211-225.
- Hemani Sharma and Parmil Kumar. (2023). “On Mixture of Burr XII and Nakagami Distributions: Properties and Applications”. *Reliability: Theory & Applications.* 4(76), 821-841.
- Hemani Sharma and Parmil Kumar. (2024). “Estimation of Different Entropies of inverse Rayleigh Distribution under Multiple Censored Data”. *Reliability: Theory & Applications.* 1(77), 29-39.
- On Survival Estimation of Lomax Distribution under Adaptive Progressive Type-II censoring Accepted for the publication in *Statistics in Transition New series.*
- Bayesian and E-Bayesian Estimation of Exponentiated Inverse Rayleigh Distribution using conjugate prior accepted for the publication in *Reliability: Theory & Applications.*
- Bayesian Estimation of Scale Parameter of Inverted Kumaraswamy Distribution under Various Combinations of Different Priors and Loss Functions accepted for the publication in *Society of Statistics, Computer and Applications.*

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