Curriculum Vitae

Dr. Praveena .A .S

UGC-Assistant Professor E-Department of Studies in Statistics University of Mysore Manasagangotri,Mysuru 570 006, India

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Academic qualification:

- UGC Post Doctoral Research Fellow in Department of Studies in Statistics at University of Mysore during November 2013-June 2018.
- Ph.D in Statistics, University of Mysore, September 2010. (Title of thesis: A study of subexponential distributions and some problems in extreme value theory, Supervisor: Prof. S. Ravi)
- M.Sc in Statistics, University of Mysore, 2002-2004, with first rank.
- B.Sc in Statistics, Mathematics and Computer science, Maharani's Science College for Women, University of Mysore, 1999-2002.

Research interests:

- Extreme Value Theory
- Subexponential and heavy tailed distributions
- Regression analysis
- Probability theory

Teaching Experience:

- UGC-Assistant Professor, DoS in Statistics, University of Mysore, Mysuru-Since June 2018
- Guest Faculty, University of Mysore- September 2013-November 2013
- Visiting faculty, V.V.N Institute of Management, Technology and Research, Bangalore- October 2012 June 2013
- Lecture in Statistics, Bishop Cotton College for women, Bangalore- July 2007 December 2007
- Guest Faculty, Centre for Information Science and Technology, University of Mysore, Mysuru- September 2005 June 2006
- Guest Faculty, DoS in Statistics, University of Mysore, Mysuru-August 2004 April 2007

Awards and Honours:

- Gold medal in M.Sc in 2004 from university of Mysore.
- Selected as Assistant-Professor by UGC, New Delhi under UGC-Faculty Recharge Programme, cycle-III, under Mathematical Science in 2015 (one of the eight nationally selected candidates)
- Best poster presentation award in 2016 from Indian Science Congress Association, Kolkata.

Conferences/ Workshops/Seminars participated and invited talks:

- A Two Day Seminar on Recent Developments in Statistical Sciences held at Department of Studies in Statistics, University of Mysore, during 6-7 March 2020, and gave talk on "Evaluation of clustering algorithms".
- Three-day Workshop on R held at Department of Studies in Statistics, University of Mysore, during February 27-28, March-01, 2019, and gave talk on "Dimension reduction in R".
- UGC refresher's course in Mathematical Science at UGC Human Resource Development Center of the University of Mysore, Mysuru, during Nov. 13 Dec. 02, 2018 and gave four talks on "Use of R in Statistics", as a Resource person.

- Invited talk on Applications of R in Statistics in One week faculty development programme on Applications of Probability and Statistics, held at BMS Institute of Technology and Management, Bengaluru during June 4-8, 2018.
- Demonstrated "Use of R-software in data analysis" in half-day training program during August 16-18, 2017 at Department of Studies in Psychology, University of Mysore, Mysuru.
- National Conference on Operations Management, Analytics and Statistical methods held at SDMIMD, Mysore on 6 January 2017 and presented a paper entitled, "On generalized log Pareto distributions and Value at Risk".
- Indian Social Science Congress, held at University of Mysore, Mysuru, during December 19-23, 2016.
- Indian Science Congress, held at University of Mysore, Mysuru, during January 03-07, 2016 and presented a poster entitled "On Generalized log-Pareto distributions".
- UGC sponsored National Seminar on "Recent trends in Statistical Inference and Data Analysis", held at Dept. of Statistics, S.D.M college, Ujjire during October 30-31, 2015 and presented a paper entitled "Estimation of parameters of Generalized log Pareto distribution".
- Orientation Programme on the use of scopus citation index (2015), University of Mysore, Mysuru.
- Two-day UGC Sponsored National Seminar on Statistical methods and data analysis, held during September 2014 at Yuvaraja's College, University of Mysore, Mysuru and presented a paper entitled "On heavy tailed distributions".
- Workshop on 'Census data dissemination' conducted by the University of Mysore and the Directorate of Census Operations, Karnataka on 23rd January, 2014.
- Workshop/Seminar on 'Probability and Statistics' held during November 05-06, 2013 at the Department of Studies in Statistics, University of Mysore, Mysore and presented a paper entitled "On delta neighborhoods of Generalized log pareto distribution" in the seminar session.
- Three day Workshop-cum-Seminar on 'Probability and Statistics' held at Department of Studies in Statistics, University of Mysore, Mysore during March 05-07, 2012 and presented a paper in the Contributory session.
- The International Conference on 'Actuarial Statistics, Bio Statistics and Stochastic Modeling' held at the Department of Statistical Sciences, Kannur University, Kannur, Kerala, during January 10-14, 2011 and presented a paper entitled "On von Mises Type Conditions and Rates of Convergence".
- Three Day Seminar on 'Recent Developments in Probability and Mathematical Statistics' held at Department of Studies in Statistics, University of Mysore, Mysore during October 29-31, 2008.
- Three day National Seminar on 'Applied Probability' held at Department of Studies in Statistics, University of Mysore, Mysore during March 20-22, 2006.
- The National seminar on 'Order Statistics and Concomitants' held at Department of studies in Statistics, University of Mysore, Mysore during November 26-28, 2004.

List of Publications

• On Extrema of a Bivariate Exponential Random Vector, (with S. Ravi) **mySCIENCE**, Biannual Science journal of University of Mysore, Vol. 4, 82-100, 2009.

- A note on tail behaviour of distributions in the max domain of attraction of the Frechét / Weibull law under power normalization, (with S.Ravi) **ProbStat Forum, e-journal,** Vol. 3, 01-10, 2010.
- On von Mises type conditions for p-max stable laws, rates of convergence and generalized log pareto distributions, (with S.Ravi), **Journal of Statistical Planning and Inference**, Vol. 141, Issue 9, 3021-3034. 2011.
- On storage models, (with S.Ravi), Journal of Indian Statistical Association, Vol. 49, No. 2, 2011, 215-229.
- On the intersection of max domains of attraction of p-max stable laws and subexponential distributions, (with S. Ravi) **Communication in Statistics theory and methods**, Vol. 44, 2015, 115-124.
- Distance between exact and approximate distributions under power normalization, (with S. Ravi) Modern Stochastics: Theory and applications, Vol. 2, 2015, 391-399.
- On generalized log Pareto distribution and value at risk, **Proceedings of National conference on Operations Management, Analytics and Statistical methods**, 2016, ISBN: 978-83302-20-8.
- On subexponentiality of Order Statistics and a few other functions of random variables, (with M.S. Bhalachandra and S. Ravi), Journal of Indian Statistical Association, Vol.55(1), 1-19, 2017.
- On a characterization of Fréchet and Weibull max domains under power normalization, (with S. Ravi), Journal of Probability and Statistical Science, Vol.16 (1), 1-9, 2018.
- On Mixture distribution and their max domains, (with Swathi Srinath and S. Ravi), Journal of the Indian Society of Probability and Statistics, 2019, doi.org/10.1007/s41096-019-00063-w.
- Distinct asthma phenotypes with low maximal attainment of lung function on cluster analysis, (with S. Bhargava, Amrutha D.H, B.S. Jayaraj, S. Ravi, S. Khurana and P.A. Mahesh), Journal of Asthma, 2019. DOI: https://doi.org/10.1080/02770903.2019/1658205

Membership of Professional bodies:

Member of AMS (American Mathematical Society, USA) since 2012.

Personal

- Nationality: Indian
- Languages known: English, Kannada, Hindi
- Hobbies and sports: Reading tech and non-technical books, Yoga