

Curriculum Vitae

Ashok Kumar

Assistant Professor

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Education:

- 2003 **High School.** U.P. Board, Allahabad.
- 2005 **Intermediate.** U.P. Board, Allahabad.
- 2009 **B.Sc. (Statistics, Mathematics & Physics).** C.C.S. University, Meerut.
- 2011 **M.Sc. (Statistics).** Department of Statistics, C.C.S. University, Meerut.
- 2011 **NET (Mathematical Sciences).** Joint CSIR-UGC (June 2011).
- 2014 **M.Phil. (Statistics).** Department of Statistics, University of Delhi, Delhi.
- 2015- **Ph.D. (Statistics)** (pursuing). Department of Statistics, University of Delhi, Delhi.

Teaching Experience: 5 Years 10 Months (approx.)

- 2012-16 **Assistant Professor** (Adhoc). Department of Statistics, University of Delhi, Delhi.
From 30th August, 2012 to 18th January, 2016.
- 2016- **Assistant Professor.** Department of Statistics, University of Lucknow, Lucknow.
Since 19th January, 2016 to continue.

Courses Taught:

- **Theory:** Design of Experiments; Generalized Linear Models; Computer Intensive Statistical Methods; Non-parametric Methods and Regression Analysis; Data Analysis using R; Statistical Computing using C-Language and R Software.
- **Practical's:** Practical's using MS-Excel; R; C-Language; MATLAB and SPSS based on different topics of the UG and PG syllabus in DU and LU.

Research Areas:

- Design of Experiments; Linear Models; Optimization.

Computer and Computational Skills:

- Good working knowledge of Computer Fundamentals; MS-Office; R; C-Language; MATLAB; STATA; SPSS; LaTeX and Mathematica.

Lectures Delivered:

- 2013 Delivered a lecture on “*An Introduction to Excel*” at the Department of Statistics, N.A.S. College, Meerut on November 11, 2013.

- 2014 Delivered a lecture on “*Use of R in Statistics*” at the Department of Statistics, N.A.S. College, Meerut on February 15, 2014.
- 2014 Delivered invited lectures in a two day workshop on “*An Introduction to Statistical Software R*” in the student activity week at the Department of Statistics, Ramanujan College, Delhi held during October 10-11, 2014.
- 2015 Delivered extension lectures on “*Generalized Linear Models*” at the Department of Statistics, Central University of Haryana, Mahendergarh, Haryana during November 29 - December 02, 2015.
- 2015 Delivered invited lectures in a two day workshop on “*Statistical Computing using R*” at the Department of Statistics, N.A.S. College, Meerut organized by N.A.S. College Statistics Association, Meerut held during December 18-19, 2015.
- 2016 Delivered extension lectures on “*Design of Experiments*” at the Department of Statistics, Central University of Haryana, Mahendergarh, Haryana during April 20-24, 2016.
- 2017 Delivered lectures as a Resource Person in the 7 days Orientation Programme on “*Application of R Software in Statistical Analysis of Data*” at Bhartiya Shikha Sodh Sansthan, Saraswati Kunj, Nirala Nagar, Lucknow held during February 2-8, 2017 (throughout the programme).
- 2017 Delivered lectures as a Resource Person in the 7 days Orientation Programme on “*Application of R Software in Statistical Analysis of Data*” at Bhartiya Shikha Sodh Sansthan, Saraswati Kunj, Nirala Nagar, Lucknow held during February 17-23, 2017 (throughout the programme).
- 2017 Delivered invited lecture on “*Experimental designs with R Software*” at the Department of Statistics, N.A.S. College, Meerut on February 25, 2017.
- 2017 Delivered a lecture as a Resource Person on “*Basic Statistical Computation with R*” in the 7 days National Workshop cum Training Programme on “*Research Methodology, Statistical Data Analysis using LaTeX and R Software*” at U.P. Rajarshi Tandon Open University, Allahabad on March 20, 2017 (held during March 18-24, 2017).
- 2017 Delivered two lectures as a Resource Person on “*Advanced Statistical Computing and Graphics with Excel and R Software*” in the 10 days Workshop on “*Research Methodology Course for Ph.D. Students in Social Sciences*” at Department of Education, University of Lucknow, Lucknow on March 26, 2017 (held during March 20-29, 2017).
- 2017 Delivered lectures as a Resource Person in the 8 days Orientation Programme on “*Probability Theory & Distributions*” at Bhartiya Shikha Sodh Sansthan, Saraswati Kunj, Nirala Nagar, Lucknow held during July 24-31, 2017 (throughout the programme).
- 2017 Delivered a lecture as a Resource Person on “*Pre-Statistical Analysis: Graphical Study of Data*” in the 7 days Workshop on “*Data Analysis using SPSS*” at Department of Statistics, University of Lucknow, Lucknow on October 13, 2017 (held during October 10-16, 2017).
- 2017 Delivered lectures as a Resource Person in the “*Hands on Training Programme on Data*”

analysis using SPSS” at RTC Reserve Police Lines, Lucknow organized by U.P. Police Technical Services Head Quarters, Lucknow on November 17, 2017.

- 2018 Delivered invited lectures on “*Application of Statistics in Engineering and Business*” at Radha Krishan Institute of Technology & Management, Talheri Buzurg, Saharanpur during February 5 - 6, 2018.
- 2018 Delivered invited lectures on “*Data Analysis using R Software*” at the Department of Statistics, N.A.S. College, Meerut on February 7, 2018.
- 2018 Delivered an invited lecture on “*The Role of Statistics in improving Education*” at Baba Banshidhar Balika Mahavidyalaya, Saidpur-Lakhaoti Road, Nisurkha, Bulandshahar on February 20, 2018.

Academic and Administrative Assignments:

- 2016- Member of Board of Studies, Department of Statistics, LU.
- 2016- Member of Department Research Committee, Department of Statistics, LU.
- 2016- Member of Departmental Committee, Department of Statistics, LU.
- 2017- Assistant Provost, Balrampur Hall, LU.
- 2017 Assistant Provost, Acharya Narendra Dev Hall, LU.
- 2017- Member of University Flying Squad in UG & PG Examination, LU
- 2012-16 Worked as Member of Department Council Committee, Department of Statistics, DU.
- 2014-15 Worked as Deputy Superintendent to conducted M.A./M.Sc. Entrance Exams for different subjects in the sessions 2014-15 and 2015-16, University of Delhi, Delhi.
- 2014-16 Worked as Member of Internal Quality Assurance Cell (IQAC), Department of Statistics, DU.
- 2014-16 Worked as Member of National Assessment and Accreditation Council (NAAC) peer Team, Department of Statistics, DU.
- 2013-16 Worked as Member of Syllabus Committee for B.Sc. (H) Statistics under Choice Based Credit System (CBCS), Four Year Undergraduate Programme (FYUP), Department of Statistics, DU.
- 2012-13 Worked as Member of Sexual Harassment Committee, Faculty of Mathematical Sciences, DU.
- 2012-16 Worked as Member of Anti-Ragging Committee, Department of Statistics, DU.

Orientation/Refresher Programme/ Summer School Attended: 02

- 2016 Attended an “Orientation Programme” at Centre for Professional Development in Higher Education (CPDHE), University of Delhi, Delhi during November 25 - December 23, 2016.
- 2017 Attended a “Summer School (Research Methodology)” at Academic Staff College, University of Lucknow, Lucknow during June 15 - July 05, 2017.

Faculty Development Programme Attended: 04

- 2014 Faculty development programme on “Computational, Mathematical and Statistical Techniques” at Ramanujan College, Delhi held during October 31 - November 01, 2014.
- 2016 Faculty development programme on “Econometrics and Structural Equation Modelling” at Jaipuria Institute of Management, Lucknow held during September 17-18, 2016.
- 2017 Faculty development programme on “Financial Statistics” organized by Department of Statistics, University of Delhi, Delhi during December 20-22, 2017.
- 2017 Faculty development programme on “Actuarial Statistics” organized by Department of Statistics, University of Delhi, Delhi during December 27-28, 2017.

Workshops/ Conferences Attended: 10 (3 International + 7 National)

- 2012 International conference on “*The Legacy of Srinivasa Ramanujan*” organized by University of Delhi, Delhi held during December 17-22, 2012.
- 2013 Workshop on “*Information Literacy and Competency*” hosted by Delhi University Library System at Central Science Library, University of Delhi, Delhi on January 17, 2013.
- 2013 Workshop on “*Statistical Computing using R*” organized by Department of Statistics, University of Delhi, Delhi held during September 14-15, 2013.
- 2013 Workshop on “*MATLAB Academic Tour 2013*” hosted by Math Works at Cluster Innovation Centre University of Delhi, Delhi on September 23, 2013.
- 2014 Workshop on “*An Introduction to STATA for Medical Statistics*” organized by Institute of Home Economics, University of Delhi with the collaboration of London School of Hygiene and Tropical Medicine, UK, under the UK-India Education and Research Initiative (UKIERI) held during November 24-28, 2014.
- 2015 Workshop on “*Research Metrics*” organized by Research Council & Delhi University Library System at University of Delhi, Delhi on February 26, 2015.
- 2016 Workshop on “*Computational Statistics*” organized by Interdisciplinary Statistical Research Unit (ISRU), ISI, Kolkata held during February 22-28, 2016.
- 2016 Workshop on “*Data Science using R*” organized by Department of Statistics, University of Lucknow, Lucknow held during November 7-9, 2016.
- 2017 National Workshop cum Training Programme on “*Research Methodology, Statistical Data Analysis using LaTeX and R Software*” organized by School of Sciences, U.P. Rajarshi Tandon Open University, Allahabad held during March 18-24, 2017.
- 2017 Workshop on “*Biostatistical Computing with R*” held at Department of Biostatistics and Health Informatics, Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGI) at SGPGI, Raebareli Road, Lucknow at held during 15-20 May, 2017.

Papers Presented in Conferences: 04 (2 International + 2 National)

- 2015 **Kumar, A.** and Singh, P., “D-optimal designs for Exponentiated Pareto II and Generalized Exponentiated Pareto Model”, **7th International Conference** on *Quality, Reliability, Infocom Technology and Business Operations (Trends and Future Directions)* at

University of Delhi, Delhi held during December 28-30, 2015.

- 2017 **Kumar, A.** “Comparison of Estimation methods for the Transmuted Weibull Distribution”, **National Seminar** on *Application of Scientific and Statistical Software in Research* at U.P. Rajarshi Tandon Open University, Allahabad held during March 30-31, 2017.
- 2017 **Kumar, A.** and Singh, P., “D-optimal designs for Pareto II and Generalized Pareto Model”, **National Conference** on *Advanced Developments in Theoretical and Applied Statistics (ADTAS-2017)* at Department of Statistics, Banaras Hindu University, Varanasi, held during November 13-15, 2017.
- 2018 **Kumar, A.** and Singh, P., “D-optimal designs for Exponentiated Gamma Regression Model”, **2nd International Conference** of Vijnana Parishad of India on “*Recent Trends of Computing in Mathematics, Statistics and Information Technologies*” held at the Department of Mathematical Sciences & Computer Applications, Bundelkhand University, Jhansi during 09-11 March, 2018.

Papers Published/ Communicated: 08 (05 Published + 02 Accepted + 01 Communicated)

- 2013 Tomer, S. and **Kumar, A.** (2013), “The Exponentiated Lomax Distribution with Application to Bladder Cancer Susceptibility”, *International Journal of Essential Sciences*, 7 (2), 16-23, ISSN- 0973-8436, UGC List No. 48536.
- 2014 **Kumar, A.** and Tomer, S. (2014), “Comparison of Estimators of the Transmuted Exponentiated Lomax Distribution”, *International Journal of Essential Sciences*, 8 (2), ISSN- 0973-8436, UGC List No. 48536.
- 2015 **Kumar, A.** (2015). “Parameter estimation of Transmuted Weibull Distribution with L-moments and TL-moments”, *International Journal of Essential Sciences*, 9 (2), ISSN- 0973-8436, UGC List No. 48536.
- 2016 **Kumar, A.** and Saksena, R. (2016). Comparison of Bayes Estimators of the Parameter and Reliability Function for Exponentiated Complementary Power Function Distribution under Different Loss Functions, *International Journal of Essential Sciences*, 10 (2), ISSN- 0973-8436, UGC List No. 48536 (accepted).
- 2017 Saksena, R. and **Kumar, A.** (2017). “Comparison of Different methods of Estimation for Transmuted Lomax Distribution”. *International Journal of Scientific Research in Science and Technology*, Vol. 3, Issue 7, 2017, 259-264, ISSN-2395-6011, UGC List No. 64011.
- 2017 **Kumar, A.** and Saksena, R. (2017). “TL-Moments and L-Moments Estimation for the Transmuted Weibull Distribution”, *Journal of Reliability and Statistical Studies*, 10 (2), 127-136, ISSN (Online): 2229-5666 |ISSN (Print): 0974-8024, UGC List No. 48410.
- 2017 **Kumar, A.**, Saksena, R. and Mishra, M. (2017). “An analysis on reporting of Antenatal, Natal and Postnatal Care in Lucknow district based on Health Management Information System (HMIS) data”, *International Journal of Agricultural and Statistical Sciences (IJASS)* Vol.12 No. 2, 2017, ISSN 0973-1903, UGC List No. 2525. (accepted)
- 2017 Singh, P. and **Kumar, A.** (2017). “D-optimal designs for Exponentiated Pareto II and Generalized Exponential Pareto Models” (communicated).

Chapters in Edited Book: 02

- 2017 **Kumar, A.** (2017). “A study on Vision Functioning”, *Indian and Western Aspect of Identity*, Jointly published by CPDHE, University of Delhi and Shree Kala Prakashan, Delhi, Chapter 7, pp. 55-63. ISBN 978-93-85329-22-7.
- 2017 Mishra, S. and **Kumar, A.** (2017). “Antenatal Care in Lucknow district: An analysis based on Health Management Information System (HMIS) data” *Applications of Statistical and Computational Softwares*, Published by CG Press, USA, Chapter 3, pp. 41-56. ISBN 978-144-340-0044.

Workshop Organized: 03

- 2013 Organized a two day workshop on, “Statistical Computing using R” at Department of Statistics, University of Delhi, Delhi, as member of organizing committee during September 14-15, 2013.
- 2016 Organized three days workshop on, “Data Science using R” at Department of Statistics, University of Lucknow, Lucknow as member of organizing committee during November 7-9, 2016.
- 2017 Organized a Workshop on, “Data Analysis using SPSS” at Department of Statistics, University of Lucknow, Lucknow as member of organizing committee during October 10-16, 2017.

Member of Professional Bodies:

- 2013 Life Member International Indian Statistical Association.
- 2015 Life Member of the Indian Science Congress Association.

I hereby declare that the above written particulars are true to the best of my knowledge and believe.

Date: / / 2018

Place: Lucknow

(Ashok Kumar)