

Curriculum Vitae



Dr. Basanagouda S. Biradar, M.Sc., M.Phil, Ph.D.
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EDUCATION

March, 2003, Ph.D.in Statistics, Karnatak University Dharwad
(Title of the Thesis: Nonparametric Tests for Two and Several Sample Problems (based on Censored and Complete data)
Supervisor: Prof.M. S. Chikkagoudar

October , 1992 M.Phil. in Statistics (First Class) Karnatak University Dharwad
(Title of the Thesis: Nonparametric Tests for Several Sample Problems based on U-Statistics)

July, 1988 M.Sc. in Statistics (First Class) Gulbarga University, Gulbarga

June, 1986 B.Sc. (First Class) Karnatak University Dharwad

RESEARCH INTEREST

- Nonparametric Inference
- Statistical inference based on Ranked Set Sample
- Statistical Inference based on Information Theory (Entropy Measures)
- Goodness of Fit Tests
- Reliability and Survival Analysis

TEACHING EXPERIENCE

Professor of Statistics: Since August 2014

Associate Professor in Statistics: March, 2009 to August, 2014

Reader in Statistics : July, 2007 to March, 2009

(All the above positions are held/holding at the Department of Studies in Statistics, University of Mysore, Mysuru-06)

Lecturer in Statistics (Sel Grade): March, 2006 to July, 2007 at Karnatak Arts College, Karnatak University, Dharwad

Lecturer in Statistics (Sr.Scale): March, 2001 to March 2006 at Karnatak Arts College, Karnatak University, Dharwad

Lecturer in Statistics: March, 1996 to March, 2001 at Karnatak Arts College, Karnatak University, Dharwad

Lecturer in Bio-Statistics: January, 1995 to March, 1996 at BLDEA Medical College Bijapur.

COURSES TAUGHT (at Graduate, Post-graduate and Ph.D.Course work level)

Graduate

Probability Theory, Distribution theory, Theory of Estimation and Testing of Hypotheses, Nonparametric Tests, Sequential probability ratio Tests(SPRT), Regression Analysis, Analysis of Variance and Design of experiments, Operations Research(OR)

Post-Graduate

Probability Theory and Distributions, Statistical Inference, Nonparametric Inference (optional Paper), Linear Algebra, Real Analysis, Multivariate Analysis, Statistical Computing using R language, Computational Statistics, Reliability Analysis.

Ph.D.Course : U-Statistics and Theory of Rank Tests, Bootstraps Methods in Statistics.

ACADEMIC HONORS AND FELLOWSHIPS

- Selected as an Expert Committee Member to prepare Model Curriculum contents for Under Graduate (UG (Basic/Honors)) and Post graduate (PG) Programmes in Statistics under NEP-2020, Government of Karnataka : August 2021 to date.
- Visiting Fellow under UGC-DRS-SAP-I program at the Post Graduate Department of Statistics, Karnataka University, Dharwad, during March, 2017
- Awarded Teacher fellowship for doing Ph.D.under UGC -FIP during IX plan period 09-06-2000 to 31-03-2002
- Worked as expert committee member of National level project completion of M.Sc (Statistics) students.
- Chaired the session on Sampling Theory at the International conference on Role of Statistics in the advancement of Science and Technology on the occasion of Diamond Jubilee year of the Department of Statistics, University of Pune during December 16-18,2013.
- Chaired the session of Theory of estimation at the International conference on Statistics and Information Technology for a Growing Nation, organized by ISPS and S.V. University Tirupati during 30 Nov.-30 Dec.,2014.
- Chaired a Session in the National seminar of Official Statistics in Conjunction with Golden Jubilee celebrations during 09-10, 2012 at S.V. University, Tirupati.
- Received UGC minor Research Project entitled “Some Nonparametric Tests for Failure rate Ordering and stochastic Ordering Based on Incomplete data in the presence of Competing Risks” during 10-02-2006 to 09-02-2008.

CONFERENCES/SEMINARS/ WORKSHOPS /SPECIAL LECTURES

Invited Talks/Special Invited Talks:

- Data Science and Machine Learning (2021) *National Webinar on Data Science, on August 06,*

2021, P C Jabin Science College Hubali, Karnataka

- Measures of uncertainty and information content of Ranked set sampling with unequal samples (2021), *Virtual National Conference on Theoretical and Applied Statistics Kristu Jayanti College, Bengaluru during February 9-10, 2021*
- On Measures of uncertainty and information content of ranked set sampling with unequal samples (2021), *Fifth International Webinar on Recent Trends in Statistical Theory and Applications 2021' during June 29 – July 02, 2021, organized by the Department of Statistics, University of Kerala. (Special Invited)*
- Data Science and Machine Learning (2021) , *BLDEA's Women's College Vijayapur on the occasion of International Statistics Day, Virtual Conference, on October 20,2020.*
- *Nonparametric Tests-I(2021), National Level Webinar on Statistical Inference and Related Areas(SIARA) scheduled during 12-14 August 2020 at Bangalore University.*
- *Nonparametric Tests-II (2020), National Level Webinar on Statistical Inference and Related Areas(SIARA) scheduled during 12-14 August 2020 at Bangalore University.*
- Estimation of Location -Scale Parameters based on General Ranked Set Sampling with Unequal Samples (2020), *SIXTH International Conference on Statistics for Twenty-first Century-2020 (ICSTC-2020), Virtual Conference, during December 16-19 at University of Kerala, Trivandrum (Special Invited)*
- Parametric estimation using ranked set sampling with unequal samples (2018), *National Seminar On Statistical Modeling And Applications (Nssma-2018) Sponsored By UGC Under Sap-Drs-I, February 23-24, 2018 Shivaji University, Kolhapur.*
- Parametric estimation using ranked set sampling with unequal samples (2015) *International Conference on Statistics and Related Areas for Equity, Sustainability and Development (SRAESD-2015) with XXXV Annual Convention of Indian Society for Probability and Statistics (ISPS) during 28 - 30 November, 2015 in the Department of Statistics, University of Lucknow*
- Applications of probability Models in Life Sciences (2014), *Department of Bio-informatics Karnataka State Women University Bijapur, for Faculty members and Research Scholars, on May 29, 2014 (Special Lecture).*
- Ranked set sampling (2014) *Department of Statistics Karnataka University Dharwad, on November 21, 2014 (Special Lecture)*
- Issues in Statistical Methods for Data Analysis of Excluded groups (2014), *International Conference on Ethnicity, Discrimination and Social Exclusion of Minorities and Margins: Post colonial Debates CSSEIP University of Mysore, Mysore, during Dec. 18-19, 2014.*
- Data Analysis (2013), *National Level workshop on Advanced Research Methodology in Social Sciences, at CSSEIP, University of Mysore, Mysore , during January 16-26,2013.*
- Descriptive Statistics for Excluded Groups (2013) *National Level workshop on “Developments in Statistical Methods for Data analysis of Excluded groups, during March 20-21, 2013.*
- *Statistical Analysis by Data types (2013),UGC-CPE workshop on Modern Trends in Research Methodology Part-II at SBRR Mahajana First Grade College, Mysore, on April 16, 2013.*
- Statistical Methods for Social Science Research Methodology (2013), *National Level workshop on Introduction to Research Methodology and Data Analysis through SPSS (for SC and ST Ph.D. Scholars) , Karnataka State Open University, Mysore, Karnataka , May 27 to June 05,2013.*
- Non-Parametric Methods (2012), *Three Day Workshop –Cum Seminar on Probability and Statistics, DoS*

in Statistics, University of Mysore, Mysore, March, 05-07,2012

- Statistical Tests of Significance (2010), *DBT Sponsored Workshop cum Training on Bioinformatics, Bioinformatics Center Department of Bioinformatics, Karnataka State Women University, Bijapur, March 28-30, 2010*
- Graphical methods in Non-parametric Statistics (2009), *UGC sponsored National Seminar on Recent Development in Statistics, BLDE Associations SB Arts and KCP Science College Bijapur April, 16-17, 2009.*

Contributory Talks

- Estimation of the Mean of exponential Distribution using Maximum Ranked set sampling with unequal samples(2014), International Conference on Statistics and Information Technology for a growing Nation, S.V. University ,Tirupati, 30 Nov.-02 Dec, 2014
- *Estimation of the Mean of exponential Distribution using extremes Ranked set sampling with unequal samples(2013),International conference on Role of Statistics in the advancement of Science and Technology, University of Pune, December 16-18, 2013*
- Rank Tests for comparison of two failure rates based on Censored data(2011),International Conference on Statistics and Information Analytics (ICSIA-2011) ,PG and Research Department of Statistics Loyola College Chennai , August 25-27,2011
- Rank Tests for two-sample problems based on Multiple Type-II censored data (2008), National Conference on Statistical Inference and Inferential aspects of Industrial statistics ,University of Pune, December 16-18,2008.
- Rank Tests for Two sample problems based on Multiple Censored Data(2007), International Conference on Statistical Science, OR and IT and ISPS, held at Tirupati, during January 7-9,2007
- Locally Most powerful rank tests for comparison of two failure rates based on multiple-Type-II censored Data (2005), National Conference on Statistical Inference and its Applications held at Shivaji University Kolhapur, during Feb.24-26,2005.
- Locally Most Powerful rank tests for the Two sample Location and Scale Problems with Multiply Type-II censored Data (2001), International Conference on Statistical Inference and Reliability, held at Punjab University Chandigarh, during Dec.21-24, 2001.
- Locally Most Powerful rank tests for the Two sample Problems with Multiply Type-II censored Data (2001), International conference on Recent Developments in Statistics and probability and their applications organized by IISA, held at India International center, New Delhi, during Dec.30,2000 to Jan. 2,2001.
- A nonparametric test for c- sample scale problem (2000), National conference on Recent Developments in Statistical Models and Inference held at Karnatak University Dharwad, during Feb.17-19, 2000.
- A Note on Distribution-free test for several sample problem(1997), XVII Annual conference of the ISPS and National Seminar on New Dimension in theoretical and Applied Statistics ,held at Banaras Hindu University Varanasi, during February,10-13,1997
- A nonparametric test for multi-sample location problem (1994),International conference on Stochastic Modeling, during, held at University of Delhi, during Jan, 10-12, 1994

Resource Person

- Nonparametric Methods, Refresher Course for teachers at UGC-HRDC, University of Mysore, Mysuru during January 2020.
- Statistical Methods in Law (2020) , *Three day National Workshop on Research Methodology for Law students in the Department of Studies in Law, University of Mysore, Mysuru on February 06, 2020.*
- Testing of Hypotheses using R, Two Day Workshop on Statistical Analysis Using R, Bangalore University, during January 24-25, 2019.
- Standard Probability Distributions with applications engineering sciences, *Faculty Development Programme held at BMIT and Management, Yelahanka, Bengaluru on June 06, 2018*
- **Primary Census Abstracts, Data Highlights (2014)**, Workshop on Census Data Dissemination Jointly organized by the University of Mysore and Directorate of Census Operations , Karnataka , January 23, 2014.

PARTICIPATION IN CONFERENCE/WORKSHOP/SEMINAR/REFRESHER COURSE

- Relevance of Mechanism Design and game Theory in Modern Economic Analysis, Participated at Karnataka Higher Education Council ,Bangalore on Jan 10, 2013
- National Seminar on Official Statistics in conjunction with Golden Jubilee Celebrations held at Department of Statistics, S.V. University, Tirupati, A.P. during August 09-10, 2012
- Workshop on Developing Data Base on Higher Education in Karnataka , organized by Karnataka State Higher Education Council and National University of education Planning and Administration on November 9, 2011
- Advances in Statistical Theory and Applications (ASTA-2011) , participated at Bangalore University Bangalore. During November 16-18, 2011
- Workshop on MAPLE and MATLAB , conducted by Computer Paradise , Mysore, during Jun 2-24, 2011
- Two Day State Inter- University Symposium on Enhancing Research and Teaching in Statistics jointly organized by DST Karnataka and Bangalore University, during 29th to 30th March 2010.
- Refresher Course in the Subject Environmental Science from 27-12-2005 to 16-01-2006, held at UGC Academic Staff College, Karnatak University Dharwad
- National Workshop on Nonparametric Methods held at Shivaji University Kolhapur during 2-3, January 2005.
- Global Skills Enhancement Program conducted by Progeon at Infosys Leadership Institute, Mysore, during 11th to 30th April, 2005.
- Two days national seminar on Access to Scholarly electronic journals/databases under UGC-Info net, held at Goa University during 1-2, 2004.
- Refresher Course in the subject Statistics at Undergraduate level from 03-02-2003 to 24-02-2003 held at Indian statistical Institute , Kolkata.
- Refresher Course in the Subject Statistics from 11-11-2000 to 1-12-2000, held at UGC Academic Staff College, Karnatak University Dharwad
- XXV Batch Orientation Programme, Conducted by the UGC Academic Staff College, Karnatak University Dharwad from 11-04-1998 to 08-05-1998.
- A workshop on Statistical Computing in Basic programming and MINITAB held at the Department of Statistics Karnataka University Dharwad from 04-11-1996 to 09-11-1996.

CONFERENCES AND WORKSHOPS ORGANIZED

- Organized A Two Day Seminar on Recent Developments in Statistical Sciences, in the Department of studies in Statistics University of Mysore, during March 06-07, 2021.

- Member of Organizing Committee of Three-day Workshop-cum-seminar on R in the Department of Studies in Statistics, University of Mysore, during February 28-March 02, 2019.
- Member of Organizing Committee of Organized Three-day Workshop-cum-Seminar to commemorate the 75th year of teaching of M.Sc. Statistics at the Department of Studies in Statistics, University of Mysore, during February 08-10, 2018 as Chairman of the Department.
- Member of Organizing Committee of Organized the University of Mysore Centenary Lectures in Statistics series by inviting 16 experts during September 2015 – June 2016 as part of the Centenary celebrations of the University of Mysore.
- Advisory Committee member of ISPS conference recent Advances in Statistics and Data Science for Sustainable Development ,during 21-23 December 2019 at Utkal University Bhubaneswar.
- Advisory Committee member of ISPS conference International Conference on Theory and Applications of Statistics and Information Sciences, January 5 - 7, 2018, Bharathiar University
- Has conducted Seminars and Workshops in the Department as faculty and Chairman of the Department, Department of Statistics

ADMINISTRATIVE/ACADEMIC EXPERIENCE

- Presently working as Chairman of the Department of Studies in Statistics of the University of Mysore since November 2019 till October 2021.
- Worked as Chairman of the Department of Studies in Statistics of the University of Mysore during July 2013 to October 2015
- Presently working as Chairman, Composite Board of Studies in Statistics (Under-graduate and Post-graduate) since November 2019 till November 2022.
- Worked as Nodal Officer Statistical Cell
- Worked as Nodal Officer National Academic Depository, University of Mysore from November 2017 to June 2021.
- Worked as Nodal Officer statistical Cell university of Mysore, Mysore, during November 2009-May 2013 and work involved preparing University data on parameters of University, affiliated colleges and PG centers and uploading data to MHRD site.
- . Member Board of studies in Statistics of the following universities for assisting in the curriculum development: University of Mysore, Mysore, Karnatak University Dharwad, Karnataka state Women University Bijapur and Kuvempu University Shimoga.
- Member Board of studies of the sister Departments of the University of Mysore, such as DoS in Commerce, DoS in Computer Science, DoS in Library and Information Science and DoS in Mathematics.
- Member Board of Examiners in Statistics, for assisting in scrutiny of the Question paper and setting of question paper: University of Mysore, Mysore, Mangalore University Mangalore, Bangalore University Bangalore, Gulbarga University Gulbarga, and Karnataka state Women university Bijapur.
- Worked/Working in academic / administrative committees of the University of Mysore including Academic Calendar committee, IQAC sub-committees, etc..

Membership in Scientific Societies

- **Associate Editor – International Journal of Agricultural and statistical Sciences and – since 2020.**

- Executive Member Indian Society for Probability & Statistics for Two terms : During
- Life member of Indian Society for Probability & Statistics;
- Refereed articles for Communications in Statistics – Theory and Methods, Indian Journal of Pure and Applied Mathematics, Open Journal of Statistics, Journal of the Indian Statistical Association.
- Indian International Statistical Association (Life Member)

Computer Literacy

Have good working knowledge of Statistical Softwares : R, MaTLab, Latex.

PUBLICATIONS

- Estimation of the Mean of the Exponential Distribution using Extremes Ranked Set Sampling with Unequal Samples (2017) (with Santosha C.D.) Int. J. Agricult. Stat. Sci. Vol. 13, No. 2, pp. 393-40.
- Weibull-Bayesian Estimation Based on Maximum Ranked Set Sampling with Unequal Samples (2016) (with Shivanna B.K.) , Open Journal of Statistics,6,1028-1036.
- Exponential-Bayesian maximum ranked set sampling with unequal samples using asymmetric loss function (2016) (with Shivanna B.K) , 18(1), 64-75.
- Estimation of the Population Mean based on Paired Ranked Set Sampling (2015) (with Santosha C.D.) Open Journal of Statistics, 5,97-103.
- On Comparison of Different Estimators of the Population Mean Using Ranked Set Sampling(2015), Int. J. Agricult. Stat. Sci. 9-13
- Generalized Median Test for Two-Sample Location Problem using Multiple Type-II Censored Data,(2015), Int. J. Agricult. Stat. Sci. 307-311
- Estimation of the Population Mean Based on Extremes Ranked Set Sampling (2015), *American Journal of Mathematics and Statistics*, (with Santosha C.D.) , 5(1),32-36.
- Estimation of the Mean of the Exponential Distribution Using Maximum Ranked Set Sampling with Unequal Samples (2014) (with Santosha C.D), *Open Journal of Statistics*, 4, 641-649.
- Locally Most Powerful Rank Tests for Comparison of Two Failure Rates Based on Multiple Type-II Censored Data(2012) , (with M.S.Chikkagoudar), *Communications in Statistics - Theory and Methods*, 41:23, 4315-4331.
- Rank Tests for Two-Sample Problems Based on Multiple Type-II Censored Data (2010) (with M.S.Chikkagoudar) , *Communications in Statistics - Theory and Methods*, 39: 18, 3203-3221.
- A Note on Distribution-free Test for several sample Scale problem (2001) (with M.S.Chikkagoudar) ,*Journal of the Indian Society for Probability and Statistics*,5,93-104.
- A Nonparametric Test for Multi-sample Location Problem (1997) (with M.S.Chikkagoudar),*Karnataka Univ. Science Journal*,41,95-103.

BOOK CHAPTERS

- Statistics for Research Methodology: By Data Types, (2013), Proceedings of the National level Workshop on Modern Trends in Research Methodology PART-II, SBRR Mahajana First Grade College, Mysore
- Collaborator's Note on Statistical Software's,(2014), Proceedings of the National level Workshop on Applications of SPSS in research Data analysis, SBRR Mahajana First Grade College, Mysore.

BOOKS

- Mathematical Statistics, Karnataka State Open University, Course Book for M.Sc. Mathematics, (2013), Units:11 to 16.

Ph.D.GUIDANCE

- Santosha C.D. Nonparametric Tests based on Censored Data (2015)

- Shivanna B .K. Some Contributions to Statistical Inference under Hybrid Censoring (2017)

Ph.D. GUIDANCE UNDER PROGRESS

- Pavitra, N. M. Contributions to Statistical Inference based on Ranked set sampling

Personal

- Languages known sufficiently well proficient in English and Kannada , Hindi satisfactory
- Hobbies and sports: Reading Books, playing Badminton, Chess, and Swimming.