



Personal Details

Designation	D. N. Kashid Head and Professor Department of Statistics, Shivaji University, Kolhapur email: dnk_stats@unishivaji.ac.in Tel: + 91 231 2609241 (O)
Maharashtra, Date of birth	01/06/1961
Nationality	Indian
Marital status	Married
Sex	Male
Permanent Address	Sonand, Tal – Sangola, Dist – Solapur (M.S.), India – 413309
Present Address	A-9, Teachers Quarters Shivaji University, Kolhapur
Educational Qualification:	M. Sc., M. Phil., Ph. D.

Titles of the Thesis

*M. Phil. ON SUBMODEL SELECTION IN REGRESSION

*Ph. D. ON SUBSET SELECTION IN REGRESSION

* Under the guidance of Dr. S. R. Kulkarni, Dept. of Statistics, Shivaji University Kolhapur, India.

Teaching Experience: 30 years

Research Specialization: Regression Analysis, Neural network, Data Mining

Publications:

International Journal

1. A More General Criterion for Subset Selection in Multiple Linear Regression, Communication in Statistics Theory and Method, 31(5), 795-811, 2002.(S. R. Kulkarni).

2. Subset Selection in Regression with Heavy Tailed Error Distribution, Journal of Statistical Computation and Simulation, 73(11)791-805, 2003.(S. R. Kulkarni).
3. Variable selection in Linear Regression Based on Ridge Estimator, Journal of Statistical Computation and Simulation, Vol.80(11)1211-1224,2010(A.V. Dorugade).
4. Robust Subset Selection Method in Regression, International Journal of Agri. and Statistical Sciences,5(2), 509-521,2010 (A. B. Patil).
5. Alternative Method for Choosing Ridge Parameter for Regression, Applied Mathematical Sciences, 4(9), 447-456, 2010 (A. V. Dorugade).
6. Variable Selection in Regression Using Artificial Neural Network. IJMSEA4(II), 355-370,2010,(S. R. Kulkarni).
7. Subset Selection in Linear Regression Using Generalized Ridge Estimator. Journal of Statistical Theory and Practice, Vol. 4(3),375-389,2010 (A. V. Dorugade).
8. Subset Selection in Poisson Regression, Journal of Statistical Theory and Practice, 5(2), 207-219, 2011. (D. M. Sakate and D. T. Shirke).
9. Parameter Estimation in Ridge Regression, Interstat, May 2011 ((A. V. Dorugade).
10. Jackknifed Rige M-estimator for Regression Model with Multicollinirity and Outlier Journal of Statistical Theory and Practice, 5(4), 207-219,2011. (N. H. Jadhav).
11. Model Selection in GLM Based on the Distribution Function Criterion, Model Assisted Statistics and Applications, 8, 4, 321-332. (2013), (Sakate, D.M.).
12. Variable Selection via Penalized Minimum ϕ -divergence Estimation in Logistic Regression, Journal of Applied Statistics, 41(6), 1233-1246 (2014), (Sakate, D.M.).
13. A Deviance Based Criterion for Model Selection in GLM, Statistics: A Journal of Theoretical and Applied Statistics, 48, 1, 34-48 (2014), (Sakate, D.M.).
14. Subset Selection in Multiple Linear Regression in the Presence of Outlier and Multicollinearity, Statistical Methodology, 19, 44-59, 2014, (N. H. Jadhav, S. R. Kulkarni).
15. Subset Selection in Multiple Linear Regression for Non-Normal Symmetric Error Terms, Journal of Applied Statistical Science, 20(4), 2014, (N.H. Jadhav).
16. Robust Winsorized Shrinkage Estimators for Linear Regression Model: A Simulation Study, Journal of Modern Applied Statistical Methods, 13(2), 131-150, 2014, (N. H. Jadhav).

17. Comparison of Estimators in GLM with Binary Data, Journal of Modern Applied Statistical Methods, 13(2), 185-200, 2014 (D. M. Sakate).
18. Estimation of regression parameters using SVM with New Methods for Meta Parameters, International Journal of Data Mining, Modeling and Management. 7(3), 239-256 (2015) (Desai S.S.)
19. Robust Linearized Ridge M-estimator for Linear Regression Model, Communications in Statistics - Simulation and Computation 45(3) 1001-1024, 2016 (N. H. Jadhav).
20. A New Robust Model Selection Method in GLM with Application to Ecological Data, Environmental System Research, 2016 (D. M. Sakate)
21. A Simulation Study on Variable Selection in Regression using Multilayer Feedforward Network, Journal of Modern Applied Statistical Methods, 15(1), 670-689 (T. S. Kamble).
22. Variable Selection in Linear Regression in the presence of outliers, International Journal of Data Analysis Techniques and Strategies (Accepted, T.S. Kamble)

Particulars about research work directed M. Phil./Ph.D.

Awarded: Ph.D. - 3 M. Phil.-1

Research Project

Major: (Completed)

1. **Principle Investigator:** A Study of Subset Selection Techniques in Regression and Application **Major Project (1/2/2009-31/1/2012, RS. 816000/- UGC, New Delhi)**
2. **Co-Investigator:** Open Source Statistical Software for Distance Education **(Distance Education Council-New Delhi –Major project) Open. (2007-2010)**

Presentation in Conferences, Seminars and Workshops

International

- A More General Criterion for Subset Selection in Multiple Linear Regression, International Workshop on Matrices and Statistics, Indian Statistical Institute Hyderabad, India, 11-13 Dec.2000.

- Variable Selection in Regression Using Artificial Neural Network, International Conference of Indian Society of Probability and Statistics, Punjab University, Chandigarh, India, 21-24 Dec.2001.
- Variable Selection in Regression Using Artificial Neural Network, International Conference on Statistics in Industry and Business, Cochin University of Science and Technology, India and Waterloo University Canada, held at Cochin, India, 2- 4 Jan.2003.
- Variable Selection in Regression Using –R. International Conference, Use R-2008! Dortmund University, Germany, 12-14, Aug.2008.
- Variable Selection Using Transformed Residual. International Conference of Indian Society of Probability and Statistics, Department of Statistics, Andhra University, Vishakhapattanam India, Jan.2010.
- Submodel Selection in Regression, International Conference on probability and Data Mining, Department of Statistics, North Carolina University, Raleigh USA, 21-24 April 2011.
- Model Selection in Regression when Error Term follows non-normal, International Conference on Statistics, Probability and Related Areas, Department of Statistics, Cochin University of Science and Technology, India, held at Cochin, India, 19- 22 Dec.2011.
- Performance of Variable Selection Methods in COM-Poisson Regression, ICSIA, Department of Statistics, Loyola College, Chennai, Aug, 2012.
- Variable Selection in Fuzzy Multiple Linear Regression, ICONFRST-2012, Department of Statistics, Pondicherry University, Puducherry, 21-23, Dec. 2012.
- Linearized Ridge M-estimator Based Variable Selection in Regression, International Conference on Statistics and Information Technology for A Growing Nation, Department of Statistics, S.V. University, Tirupati, 30 Nov. - 02 Dec. 2014.
- Variable Selection through Robust Estimator in Multiple Linear Regression, International Conference on Celebrating Statistical Innovation and Impact in a world of Big and Small Data, Department of Statistics, S. P. Pune University, Pune, 20-24, Dec. 2015.
- Model Selection in Multiple Linear Regression, International Conference on Robust Statistics, University of Geneva, Switzerland 4-8 July, 2016.

National /University

- A Note on the Method of Chatterjee and Samant for Subset Selection in Regression, National conference on Statistical Modelling, Department of Statistics, Shivaji University, Kolhapur, India, 25-27 Nov, 1999.
- Subset Selection in Regression when Error Distribution is Non- normal, National Conference of Indian Society of Probability and Statistics, Department of Statistics, Pt. R. S. University Raipur, India, 19-21 Feb, 2001.
- Proposed research work for Ph. D, Poster Presentation in Campaign on University Research and Training (COURT-2001), Shivaji University, Kolhapur, India, 11Mar, 2001.
- Neural Network and Statistics, Poster and Oral Presentation in COURT-2002, Shivaji University, Kolhapur, India, 10-11 Mar, 2002.
- Bias reduction methods in Regression National Seminar on Statistical Inference, and Modeling, Department. of Statistics, Shivaji University, Kolhapur, India, 2005.
- Robust Subset Selection in Multiple Linear Regression, National Seminar on Use of Statistics in Industry and Corporate World, Department. of Statistics, Banaras Hindu University, Varanashi, India, 25-26, Oct. 2015.

Attended: International: 7 National: 17

Coordinator / Member of organization Committee

Co-ordinator / convener

- Workshop on Micro Array Data Analysis Using R-Software. Department of Statistics, Shivaji University, Kolhapur, Dec. 2007.
- National Seminar on Recent Development in Statistical Modeling, Department of Statistics, Shivaji University, Kolhapur, Oct. 2012.

Member of local organization committee

- One-Day Science Conference, Raje Ramrao Mahavidyalaya, Jath, 1995.
- National Seminar on Statistical Inference, and Modeling. Deptt. of Statistics, Shivaji University, Kolhapur, India, 2005.

- National Conference on Statistical Modeling, Department of Statistics, Shivaji University, Kolhapur, Feb. 2007.
- National Conference on Statistical inference and its Applications. Department of Statistics, Shivaji University, Kolhapur, India, 2009.
- National Workshop on Design of Experiment, Department of Statistics, Shivaji University, Kolhapur, 2010.
- Two-day Workshop on Formulation of Research Project Problems in Statistics, Department of Statistics, Shivaji University, Kolhapur, 22-23, March, 2012.
- A National Workshop on Techniques for Discrete Data Analysis, Department of Statistics, Shivaji University, Kolhapur, 22-23, March, 2013.
- A National Symposia on Business Analytics and data mining, Department of Statistics, Shivaji University, Kolhapur, 21-22, March, 2014.

Invited Talk:

International

- **Outliers Resistant Variable Selection in Regression**, International Conference on Recent Advances in Statistics and their Applications, Department of Statistics, Dr. Babasaheb Ambedkar Marathawada University, Aurangabad, 26 – 28th Dec. 2013.

National

- **Variable selection in Regression for Outlier Data**, National Seminar on Recent Development in Statistics and Quality Control, K. B. P. College Phandarpur, 2010.
- **Demography: Scope and Nature**, KIMS, Karad, 12, Jan. 2012.
- **Variable Selection problem in Regression**, National Conference on Interface Between Statistics and Other Sciences, Department of Statistics, Dr. Babasaheb Ambedkar Marathawada University, Aurangabad, 24-25, Feb.2012.
- **Artificial Neural Networks: An Alternative to Regression**, National Conference on Current Practices in Mathematics, Statistics and Actuarial Science, Jalgaon, 7-8 March, 2013.

- **Subset Selection in Poisson Regression**, National Seminar on Application of Statistics to Various Fields, Department of Statistics, Sangameshwar College, Solapur, Maharashtra. 4-5, Jan. 2013.
- **Use of Artificial Neural Networks in Prediction**, National Conference on Quality, Reliability and Optimization, Department of Statistics, Padmabhushan Vasantao Dada Patil Mahavidyalaya, Kavathe Mahankal, 14-15, Feb. 2013.
- **Variable Selection Methods in Regression**, National Seminar on Statistical Inference and Stochastic Modeling, Department of Statistics, Karnataka University, Dharwad, 15-16, March, 2013.
- **Poisson Regression**, A National Workshop on Techniques for Discrete Data Analysis, Department of Statistics, Shivaji University, Kolhapur, 22-23, March, 2013.
- **Sampling Design**, A National Workshop on Research Methodology in the Area of Social Exclusion and Discrimination, 30-31 Aug. 2013.
- **Sampling and Data Collection**, National Workshop on New Vistas of Research in Commerce and Managements, Department of Commerce and Managements, Shivaji University, Kolhapur, 16-17, Sep. 2013.
- **Introduction Minitab 16**, A National Workshop on Statistical Computing, Department of Statistics, Solapur University, Solapur, 21-23, Sep. 2013.
- **Subset Selection in GLM**, National Conference on New Horizons of Statistics, Department of Statistics, Solapur University, Solapur, 19-21, Oct,2013.
- **Application of Statistics in Research Methodology**, Refresher Course in Chemistry, Department of Chemistry, Shivaji University, Kolhapur, 16th Nov. 2013.
- **Advanced Prediction Techniques**, A National Symposium on Business Analytics and Data Mining, Department of Statistics, Shivaji University, Kolhapur, 21-22, March, 2014.
- **Support Vector Regression**, National Seminar on Statistical Inference and Stochastic Modeling, Department of Statistics, Karnataka University, Dharwad, 27-28, Feb, 2015.
- **Data Analysis: Correlation, Regression and ANOVA**, Two days National Workshop on Research Methodology (RM2015), Department of Mechanical Engineering , Walchand College of Engineering, Sangli, Maharashtra, 19-20, April 2015.

- **Support Vector Machine**, National Seminar on Recent Developments in Applied Statistics, Department of Statistics, Balawant College, Vita, India, 25-26, Sept. 2015.

State / University

- **Regression and its applications**, Willingdon College, Sangli on the occasion of 'Fisher's Day' celebration 2002.
- **Subset Selection in Regression**, One Day Workshop, SUSTA and S.G.M. College Karad.
- **B. SC.-II Practical**, Workshop on Statistics Syllabus, S.G.M. College, Karad,.
- **Time series analysis**, One day workshop, Balawant College Vita.
- **Ridge regression**, One Day Seminar on Regression, Department of Statistics, L. B. S. College Satara. 2010.
- **Submission of Report and Sample Topics**, A Two-day Workshop on Formulation of Research Project Problems in Statistics, Department of Statistics, Shivaji University, Kolhapur, 22-23, March, 2012.
- **Use of SPSS for Data Analysis**, State Level conference, Azad College, Satara, 27 Feb. 2012.
- **Sampling Methods**, Workshop on Research Methodology, Shivaji University Commerce teachers Association Kolhapur, 30th June 2013.
- **Multiple Linear Regression**, One Day Workshop cum Teachers Program on Revised Syllabus of B. Sc. I, Department of Statistics, Vivekanand College, Kolhapur, 13th Aug. 2013.
- **Applications of Statistics in Research Methodology and Major/ Minor Research Project**, One Day Workshop on Applications of Statistics, Balwant college Vita, 23rd Nov. 2013.
- **Continuous Univariate distribution**, Workshop on Revised Syllabus of Statistics for B. Sc. -II, Department of Statistics, Rajarshi Chhatrapati Shahu College, Kolhapur, 28th July 2014.
- **Application of SPSS Software Packages in Research**, Academic Research Center of Barr. Balasaheb Khardekar Library, Shivaji University, Kolhapur, 0, Sep, 2014.

- **Reliability Theory**, Workshop on Revised Syllabus of Statistics for B. Sc. –II, Department of Statistics, Ajara Mahavidyalaya, Ajara, Kolhapur, 1st Oct. 2014.
- **Simulation of Regression Models Using R, Training Programme on Computational Statistics Using R**, Department of Statistics, Shivaji University, Kolhapur, 17-22, Nov, 2014.
- **Correlation and Association**, Workshop on Application of Statistics in Medical Research, D.Y. Patil University Medical College Kolhapur, 19-20 Jan. 2015.
- **Regression Analysis**, Workshop on Application of Statistics in Medical Research, D.Y. Patil University Medical College Kolhapur, 19-20 Jan. 2015.
- **Research on Support Vector Machine**, FDP in Current Research Trends in Advanced Computing, Institute of Management and Rural Development and Administration, Sangli, 2-7, Feb.2015.
- **Regression Analysis**, One Day Seminar on Quality by Design (QBD) for Pharmaceuticals: an Industry Perspective, Shri Santkurpa Pharmacy College, Ghogaon, Karad, 14-Mar.2015.
- **Data Mining**, Workshop on Revised Syllabus on B. Sc. III Statistics, Department of Statistics, Mudhoji College, Phalatan. 21 Aug. 2015.
- **Use of Quantitative Techniques in Research Methodology**, Dr. Ghali College Gadhingalaj, 4 Feb. 2016.
- **Series of Lectures on Statistical Data Analysis**, Research Methodology workshop for Ph.D. Scholars, Yashwantrao Chavan Maharashtra Open University, 24-25, July,2016.
- **Data Collection**, Research Methodology workshop, D.Y. Patil University, Kolhapur, 5th Aug. 2016.

Member of Academic bodies

Life Member:

- Shivaji University Statistics Teachers Association
- Indian Society of Probability and Statistics
- International Indian Statistics Association.

Member:

- BOS, Solapur University, Solapur (2008-2014)

Computer Knowledge

- Basic, Fortran, C, C ++ programming languages,
- MATLAB, Minitab, SPSS and Systat.
- Open Source Software -R
- Numerical Skills in Computer Algorithm and Programming.