DIPAK K. DEY

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CONTACT INFORMATION

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HOME PAGE:	http://www.stat.uconn.edu/ dey/
	http://profiles.uconn.edu/ProfileDetails.aspx?From =SE&Person=9
GOOGLE SCHOLAR:	http://scholar.google.com/citations?user =XodnsloAAAAJ&hl=en
DATE & PLACE OF BIRTH:	August 12, 1953; Calcutta, India
CITIZENSHIP:	U.S.A. (naturalized citizen)

SHORT BIOGRAPHY

Dipak K. Dey, is a Board of Trustees Distinguished Professor of Statistics, at the University of Connecticut. He received his Ph.D. in Statistics from Purdue University in 1980. He is an elected fellow of the American Association for the Advancement of Science, American Statistical Association, the Institute of Mathematical Statistics, International Society for Bayesian Analysis, Connecticut Academy of Arts and Sciences and an elected member of the International Statistical Institute. Some of the awards and honors Dey has received include the Outstanding Alumni award from the Department of Statistics, Purdue University, the first Marth award for mentorship from the University of Connecticut, the Research Excellence Award from the University of Connecticut Alumni Association, 2005 and the Research Excellence Award from the American Association of the University Professor, University of Connecticut. He has published ten books/edited volumes and over 250 refereed journal articles and book chapters in various statistical and interdisciplinary journals. His research area includes, statistical methodology and applications involving categorical and longitudinal data, classification and clustering, spatio-temporal and survival data analysis. Areas of his research applications include Biometry, Bioinformatics, Data mining, Environmetrics, Econometrics, Image processing, Morphometry, and Population Genetics. He has supervised 33 Ph.D. students and has presented more than 200 talks at professional meetings and various departments. He has been a visiting professor at Macquire University, Sydney, Australia, Pontificia Universidad de Catolica, Santiago, Chile, University of Sao Paulo, Sao Paulo, Brazil, University of British Columbia, Vancouver, Canada, Indian Statistical Institute, Calcutta and Delhi, India, the National Institutes of Standards and Technology, Gaithersburg, MD, Statistical and Applied Mathematical Sciences Institute, Research Triangle Park, NC and Social and Decision Analytics Laboratory at Virginia Tech, National Capital Region, Arlington, VA.

EDUCATIONAL HISTORY

1. B. Stat. (Honors), Indian Statistical Institute, 1974 (Statistics)
2. M.Stat., Indian Statistical Institute, 1975 (Specialization: Advanced Probability and Mathematical Statistics)
3. M.S., Purdue University, 1977 (Statistics)
4. Ph.D., Purdue University, 1980 (Statistics); Advisor: James O. Berger, Member NAS. (Currently at Duke University).

CERTIFICATION
1. Accredited professional statistician by the American Statistical Association, August 2010.
2. Received P. Stat. (Professional Statistician Certificate).

EMPLOYMENT
1. Aug. 1975 Dec. 1979 Purdue University, Teaching and Research Assistant
2. Aug. 1979 Dec. 1979 Stanford University, Visiting Scholar
3. Jan. 1980 Aug. 1982 University of Kentucky, Visiting Faculty
4. Sept. 1982 Aug. 1985 Texas Tech University, Assistant Professor
5. Sept. 1985 Aug. 1990 University of Connecticut, Associate Professor
6. Sept. 1990-Present University of Connecticut, Professor
7. Oct./Nov. 1991 Indian Statistical Institute, Calcutta, Visiting Professor
8. Sept. 1991 Macquire University, Sydney, Visiting Professor
9. Jan. 1997-Aug. 1997 University of Connecticut, Professor and Acting Head
10. Sept.1997Jun. 2011 University of Connecticut, Professor and Head
11. Jul. 2011-Jun. 2016 University of Connecticut, Distinguished Professor and Associate Dean, College of Liberal Arts and Sciences
12. Sept./Oct. 2001 University of British Columbia, Visiting Professor
13. Aug. 2001- National Institute of Standards and Technology, Visiting Faculty
14. Aug. 2007- Dec. 2007 Duke University, Visiting Professor
15. Jan. 2008- University of Connecticut, Board of Trustees Distinguished Professor.
16. July 2008- Associate Director, Connecticut Institute of Clinical and Translational Sciences (CICATS).
17. October 2016- Virginia Tech, Social Data Analytics, Arlington, VA, Visiting Professor

AWARDS
1. National Merit Scholarship from Government of India, August 1970 to August 1975.
2. Received awards in the form of books during undergraduate years at the Indian Statistical Institute.
3. David Ross Fellowships from July 1978 to December 1979 from Purdue University.
4. Research Excellence Award from the American Association of the University Professor, the University of Connecticut, 2004.
5. Research Excellence Award (Science) from the University of Connecticut Alumni Association, 2005.
6. Outstanding Alumni Award, Department of Statistics, Purdue University, 2007.
7. Board of Trustees Distinguished Professor Award, University of Connecticut, 2008.
8. Marth Award for Mentoring Graduate Students from the American Association of the University Professor, and the Graduate School, University of Connecticut, 2012.
9. Outstanding Statistician Award, Connecticut chapter of the American Statistical Association, 2014.

HONORS OR DISTINCTIONS

1. President (1988 89) of the Connecticut Chapter of the American Statistical Association.

2. Elected Member of the International Statistical Institute, 1991.

3. Elected Life Member of the Calcutta Statistical Association, 1992.

4. Elected Member of the New York Academy of Sciences, 1995.

5. Fellow of the American Statistical Association, 1997.

6. Fellow of the Institute of Mathematical Statistics, 2000.

7. President of the International Indian Statistical Association, 2002-2004.

8. Representative of the Section on Bayesian Statistical Sciences to the American Statistical Association, 2003-2005.

9. Elected Chair of the Section on Bayesian Statistical Sciences of the American Statistical Association, 2007.

10. Member of the Lindley Prize Committee under the International Society for Bayesian Analysis.

11. Program coordinator, SAMSI program on Risk Analysis, Extreme Events and Decision Theory, 2007.

12. Elected Member of the Connecticut Academy of Arts and Sciences, 2009.

13. Elected Fellow of the American Association for the Advancement of Science, 2011.

14. Elected Fellow of the International Society for Bayesian Analysis, 2014.

15. Editor-in-chief, Sankhya, The Indian Journal of Statistics, 2016-.

ADMINISTRATIVE EXPERIENCE

1. Associate Dean of CLAS (June 1, 2011- June 30, 2016)

    (a) Duties include managing Physical Science Departments (Physics, Chemistry, Mathematics, Statistics, Geography, Marine Science and Integrative Geosciences)

    (b) In charge of Research and Development of CLAS

    (c) In charge of all faculty development program in the CLAS

    (d) In charge of Development of Corporate Partnership Program

    (e) In charge of Development of Global Initiative Program

    (f) In charge of Mentorship Program

2. Department Head of Statistics (Sept. 1997 to May 30, 2011)

    (a) In charge of the budget preparation and planning

    (b) In charge of Development of Interdisciplinary research program with other departments and UConn Health Science Center

    (c) Development of Statistical Consulting Service

    (d) Fund raising through Alumni

    (e) Development of Corporate partnership with Pfizer and Travelers

    (f) Development of the annual news letter in the department

    (g) Expansion of the Department in terms of faculty and graduate students

    (h) Started a Library in the Department

    (i) Published the History of the Department

3. Executive committee member of Tech Park

（a）Duties included planning, naming and designing the new Tech Park at UConn.

（b）Involving faculty from CLAS to develop partnership with industry

4. Mock Panel for IGERT proposal

（a）Produced written review and arranged meeting with the PIs which leaded to successful funding of the first IGERT grant at UConn.

5. Panel report for NSF PIRE grant.

6. Arranged a Professional development work shop for junior faculty on "How to stay in track"?

7. Arranged a Workshop on NSF funding opportunities as a part of the professional faculty development: UITS evaluation meetings

8. Heads Search Committee for the Departments of Mathematics, Physics, Geography and interviewing candidates for various other searches.

9. Represented CLAS for HUSKY DM

10. Arranged a Workshop on faculty initiatives for Tech Park, industry academic partnership of CLAS faculty.

11. Represented CLAS in the Innovation Quest meetings

12. Presentation on career opportunities for graduate students at the first graduate Student Senate meeting.

13. Represented CLAS for OATS replacement committee.

14. Attended all the executive committee meetings of CESE, CHIP and CPHHP.

15. Helped search committees for selection of Dodd Center director, VP for International Affairs and VP for Diversity.

16. Created/ distributed matching funds for several faculties in various departments within Physical Science.

17. Attended meeting at the Graduate School for Hobson Product for managing graduate admissions, and graduate records.

18. Review panel member of NSF CAREER grants.

In the Department of Statistics, University of Connecticut

1. Chair, Graduate Admission Committee 1990 - 1993.

2. Chair, Colloquium Committee 1987 - 1991.

3. Chair, Search Committee 1988 1989, 1992-1995.

4. Chair, Promotion and Tenure Committee 1995-1996.

5. Member, Graduate Examination Committee 1989 - 1997.

6. Member, Department Planning Committee 1987 1988.

7. Member, Course and Curriculum Committee of the College of Liberal Arts and Sciences 1988 1990.

8. Member, New England Statistics Symposium Committee 1986 - 2006.

9. Member, Promotion and Tenure Committee 1987 1997.

10. Member, Course and Curriculum Committee 1986 1987.

11. Member, Pfizer Colloquium Committee, 1990 - present.

12. Member, Committee on Committees of the College of Liberal Arts and Sciences, 1994-1995.

13. Member, Computer Committee, 1995 - 1997.

14. Member, Graduate Faculty Council, 1995-1996.

15. Member, Dean's Advisory Committee of the College of Liberal Arts and Sciences, 1995-1997.

16. Member, Search Committee for Associate Dean, College of Liberal Arts and Science.

17. Member, Committee on Public Health Initiative, 2002-.

18. Member, Synergy Committee for the School of Public Health between UConn and UConn Health Science Center, 2003-.

19. Member, Search Committee for Director, Institute for Social Inquiry/Roper Center.

20. Co-chair, Biostatistics Task Force Committee, Center for Public Health and Health Policy.

21. Member Search Committee, Assessment coordinator, Neag School of Education.

22. Member, Core Research Group of the Center for Health Communication and Marketing.

23. Member, Advisory Committee of the Center for Environmental Sciences and Engineering.

At the University of Connecticut

1. Fellow, Center for Internet Data and Research Intelligence Services (CIDRIS).

2. Fellow, Teachers for New Era (TNE), NEAG School of Education.

3. Fellow, Institute for Public Health Research.

4. Member, Selection committee for the Board of Trustees Distinguished Professor, 2010-2013.

5. Member Search Committee for the Director of Biotechnology-Bioservices Center, 2011.

6. Chair, Search committee for the Head of the Department of Mathematics.

7. Member Research Advisory Council.

8. Member UTC Professorship selection committee, School of Engineering.

9. Elected member of the UCONN senate.

10. Member, Research Dean Council.

ACADEMIC EXPERIENCE

1. Taught undergraduate Mathematics and Statistics courses at Purdue University.

2. Taught Applied and Mathematical Statistics courses at the University of Kentucky.

3. Taught undergraduate and graduate level courses in Statistics and Mathematics at Texas Tech University.

4. Taught a course on Current Trends in Bayesian Statistics at the University of British Columbia.

5. Taught various graduate and undergraduate courses in the Department of Statistics at University of Connecticut .

6. Currently teaching and advising graduate students in Statistics and continuing an active research program.

PROFESSIONAL AFFILIATIONS Member of the, American Statistical Association, Institute of Mathematical Statistics, American Association of the Advancement of Sciences, International Biometrics Society (ENAR), The International Statistical Institute, The Bernoulli Society for Mathematical Statistics and Probability, International Society for Bayesian Analysis, International Indian Statistical Association, International Chinese Statistical Association, Calcutta Statistical Association, New York Academy of Sciences and Connecticut Chapter of the American Statistical Association and Visiting Faculty, National Institute of Standards and Technology. National Cancer Institute, Connecticut Academy of Arts and Sciences.

EDITORIAL ACTIVITIES

1. Editor, Institute of Mathematical Statistics Bulletin, January 1998 - December 2001.
2. Associate Editor, Journal of the American Statistical Association (Theory and Methods Section), January 1997 - December 1999.
3. Co-editor, Sankhya, The Indian Journal of Statistics, 1998.
4. Associate Editor, Journal of Statistical Planning and Inference.
5. Guest Editor of Sankhya (Special Issues on Bayesian Statistics).
6. International Editorial Board Member of "Parisankhyan Samikkha".
7. Co-editor, Journal of Statistical Planning and Inference, Volume 129, Issues 1-2 February 2005, ISSN 0378-3758. IISA Conference Special Issue.
8. Co-editor, Statistical Methodology: Special issue on Spatial Statistics.

PROFESSIONAL ACTIVITIES

1. Program Committee, Joint Statistical Meetings, Dallas, Texas, 1998,
2. Summer Research Conference Committee, American Mathematical Society,
3. Referee for the American Statistician, Annals of Statistics, Annals of the Institute of Statistical Mathematics, Biometrika, Biometrics, Canadian Journal of Statistics, Communications in Statistics, IEEE Transactions on Reliability, Test, Journal of Computational and Graphical Statistics, Journal of the American Statistical Association, Journal of Multivariate Analysis, Journal of Statistical Planning and Inference, Naval Research Logistics, Psychometrika, Sankhya, Scandinavian Journal of Statistics, Sequential Analysis, South African Journal of Statistics, Statistics & Decisions, Statistics & Probability Letters, Computational Statistics & Data Analysis.
4. Reviewer of Mathematical Reviews, NSF, AFOSR, Research Grant Council of Hong Kong, National Science and Technology Foundation of Chile, NSERC (Canada), Science Foundation of Ireland and Estonian National Science Foundation. Co-chair, Assessment for Teachers for New Era, Neag School of Education, University of Connecticut.
5. Program Reviewer, Department of Mathematical Sciences, University of Vermont. Chair, International organizing committee, WVBTA and ISBA Regional Meeting, India.
6. Member, First Latin American Bayesian Symposium, San Jose, Costa Rica.

CONSULTING ACTIVITIES

1. Sonalysts, Inc, Waterford, CT: Various projects involving high dimensional data mining and data streaming for DOD grant; Sonar data analysis of beaked whales under DOD grant.

2. Pitney Bowes, Shelton, CT: Consulting relating to mail response.

3. Charter Oak, CT: Nonresponse and missing data modeling from opinion survey, funded by OMB.

4. Inter Health, CA: Clinical trial design and Biostatistical data analysis of osteoarthritis and weight loss drugs based on natural products.

SITE VISITS/ INTERNATIONAL GRANT EVALUATION

1. Department of Mathematical Sciences, University of Vermont, Burlington, VT

2. Department of Computer Science and Statistics, Trinity College Dublin, Science Foundation of Ireland.

3. Hong Kong Research Grant Council.

4. Kuwait Research Foundation.

5. Estonian Research Foundation.

6. Department of Statistics, Florida State University, Tallahassee, FL.

7. Indiana University Purdue University, Indianapolis, IN.

8. Department of Statistics, Temple University, Philadelphia, PA.

GRANTS RECEIVED

1. National Security Agency 1986 87: Maximum Likelihood Estimation for Compound Multinomial and Negative Multinomial Distributions. Contract No. MDA 904 87 H2001.

2. Air Force Office of Scientific Research 1989: Fixed Sample and Sequential Problems with Applications in Reliability. Contract No. AFOSR 89 0225.

3. National Science Foundation Equipment Grant, 1989, Contract No. DMS-8905633.

4. U.S. Department of Health and Human Services, National Institute of Mental Health. Contract No. SM46279-05. (with C. Harmon).

5. National Science Foundation Conference Board on Mathematical Statistics, 1994 (with A.E. Gelfand). Contract No. DMS-9312931.

6. National Science Foundation, SCREMS,1995. Contract No. DMS-9506557.

7. Institute of Mathematical Statistics, 1998-2001, editorship.

8. National Science Foundation, SCREMS. Contract No. DMS 9872013.

9. Patrick and Catherine Weldon Donaghue Medical Research Foundation, through the University of Connecticut Health Center, 1995-1997.

10. National Institute of Health, Organizations, Work Environment and Quality of Care, 2001-2004 (Co-PI with N. Warren, UCHC). $ 1,428,736.

11. International Workshop on Current Trends in Bayesian Statistics, Institute of Mathematical Statistics, 2003-2004. $5,000.

12. National Institute of Health, Semiparametric Bayesian Survival Analysis, 2002 - 2004 (Co-PI with D. Sinha, Medical University of South Carolina). UConn portion $35,565.

13. National Institute of Health, Soluble Epoxide Hydrolase Polymorphisms, 2003 - 2007 (Co-PI with D. Grant, School of Pharmacy, UConn). $ 1,419,250.

14. U.S. Department of Defense, Storage Efficient Data Mining for High-Speed Data Streams, 2003 - 2006. STTR grant with Sonalysts Inc. UConn portion $ 255,000.

15. Center for Public Health Health Policy, University of Connecticut (with E. Storey and A. Ferris). $ 400,000.

16. National Institute of Health, Bayesian Methods for Analysis of Genetic Diversity (Co-PI with K. Holsinger, EEB), 2004-2008. $ 471,000.

17. 2004 Provosts Grant Competition, University of Connecticut. Center for Internet Data and Research Intelligence Services (CIDRIS), (Co-PI with P.Goes, School of Business). $ 400,000.

18. Faculty Large Grant Competition, Office of the Vice Provost for Research and Graduate Education, University of Connecticut, 2005, $13,000.

19. Faculty Research Grant, Center for Environmental Science and Engineering, University of Connecticut, 2009, $10,000.

20. National Institute of Health, Protein Microarray System for Rheumatoid Arthritis, 2010-2012. (Co-PI with M. Lynes, Molecular and Cell Biology), $1,161,122.

21. National Institute of Health, Biosensor Arrays, Protein Biosensor Arrays based on Nanomaterials, 2011-2015. (Co-PI with James Rusling, Chemistry).

22. Cigna Health Care, Bloomfield, CT. Training grant $150,000 per year, started in Jan.1, 2013. Supporting 6 graduate students.

23. Modeling and Analysis of Large Insurance Claim and Occurrence Data: A Partnership Between UConn and Travelers. August 28, 2016- $170,000$.

GRADUATE STUDENT SUPERVISION

1. Lloyd Jaising (at Texas Tech University) (Ph.D., July 1985). A Flexible Bathtub Hazard Model for Nonrepairable Systems. Professor Morehead State Univeristy, Morehead, Kentucky.(Co-advisor with W. Kolarik).

2. Pei San Liu (Ph.D., August 1989). Estimation of Parameters and Reliability in Generalized Life Model. Professor, Fu Jen Catholic University, Taipei, Taiwan, R.O.C.

3. Younshik Chung (Ph.D., August 1990). On estimation of parameters from compound power series distributions. Professor and Associate Dean, Pusan National University, Busan, Korea.

4. Fengchun Peng (Ph.D., December 1993). On the use of information and divergence measures in Bayesian analysis. Senior Manager, Credit marketing and risk management group, Sears and Roebuck and Company, Chicago.

5. Lea Birmiwal (Ph.D., May 1994). Bayesian robustness measures under different classes of priors. Manager, Birmiwal Investment Trust, Washington.

6. Hong Chang (Ph.D., August 1995). Model determination using predictive distributions. Statistician, Coopers and Lybrand, Boston and Assistant Professor Tufts Medical School..

7. Daniel T. Larose (Ph.D., August 1996). Bayesian Approaches to Meta-Analysis Using Weighted Distributions and Grouped Random Effects Models. Professor and Director of Data Mining, Central Connecticut State University.

8. Kuo-ren Lou (Ph.D., August 1996). Some Aspects of Bayesian Robustness. Associate Professor, Tamkang University, Tamsui, Taiwan, R.O.C.

9. Malini Iyengar (Ph.D., December 1997). Bayesian Analysis of Compositional Data. Clinical Biostatistician, Smith Klein and Beecham, Collegeville, Pennsylvania.

10. Murali Niverthi (Ph.D., May 1998). Bayesian Methods in Quality Control and Software Reliability. Lincoln Financial Group, Fort Wayne, Indiana.

11. Kaushik Patra (Ph.D.,August 2000). Innnovative Approaches to Reliability and Survival Analysis. Science Associate Director at MedImmune Washington, DC.

12. Athanasios Micheas (Ph.D., August 2001). Statistical Modeling and Geometry of Shapes. Associate Professor, University of Missouri, Columbia, Missouri.

13. Amitabha Bhaumik (Ph.D., August 2003). Dynamic Hierarchical Models with Application. Manager, Biostatistics at Sanofi Pasteur, Allentown, Pennsylvania..

14. Junfeng Liu (Ph.D., December 2003). On Skew-Elliptical Distribution with Novel Applications. Post doctoral fellow, Yale University, Currently Assistant Professor, UMDNJ-School of Public Health Rutgers University, Piscataway, New Jersey.

15. Rongwei Fu (Ph.D., December 2003). Probabilistic Structure and Statistical Inference for Nonexplicit Population Models and Allele Frequency. Associate Professor, Oregon Health and Science University, Portland, Oregon.

16. Seongho Song (Ph.D., August 2005). Hierarchical Bayesian Analysis of Genetic Diversity in Geographically Structured Populations. Associate Professor, University of Cincinnati.

17. Samiran Ghosh (Ph.D., August 2006). Clustering, Classification and Function Estimation for High Dimensional Data Arising from Bioinformatics and Related Domains. Assistant Professor, of Bio-Statistics at Weill Cornell Medical College, NY. Currently at the Department of Bio Statistics at Wayne State University School of Medicine, Detroit, MI.

18. Ulysses Diva (Ph.D., August 2006). Novel Approaches in Modeling Spatially Correlated Multivariate Data. Bristol Myers Squibb, Wallingford, CT.

19. Feng Guo (Ph. D., August 2007). Modeling Genetic Data using Bayesian Hierarchical Models. Assistant Professor, Department of Statistics, Virginia Tech, Blacksburg, VA.

20. Sourish Das (Ph. D., June 2008). Generalized Linear Model and Beyond: An Innovative Approach from Bayesian Perspective. Visiting Assistant Professor, Department of Statistical Sciences, Duke University, Durham, NC. Currently Assistant Professor, Chennai Mathematical Institute, Chennai, India.

21. Xia Wang (Ph.D., May 2009). General Classes of Skewed Link Functions for Categorical Response Data. Assistant Professor, University of Cincinnati.

22. Elijah Gaioni (Ph.D. July 2009). Semiparametric Functional Estimation and Extreme Value Modeling Using Mixture Distributions and Limited Quantile Information. Post-doc at IBM T. J. Watson Research Center, New York, currently at American Express, New York, NY..

23. Sylvie Tchumtchoua (Ph.D. July 2010). Bayesian Semiparametric Models for Discrete Longitudinal Data. Post doctoral fellow, SAMSI, Research Triangle Park, NC.

24. Sandra Hurtado (Ph. D. May 2011). A New Class of Bayesian Survival Models and Beyond. Assistant Professor, Cleveland State University, Cleveland, OH.

25. Marcos Prates (Ph.D. May 2011). Link Specification and Spatial Dependence for Generalized Linear Mixed Models. (Co-advisor with J. Yan). Assistant Professor, Federal University of Minas Gerais, Bello Horizonte, Brazil.

26. Ran Liu (Ph.D. August 2012). Clustering, classification and Segmentation, of 3-dimensional images. Biostatistician, Merck Pharmaceuticals, NJ.

27. Karthik Bharath (Ph. D. August 2012). Asymptotics of Clustering Criteria for Smooth Distributions. (Co-advisor with V. Pozdnyakov). Assistant Professor, University of Nottingham, UK.

28. Wenqing Li (Ph.D. October 2012). Bayesian Design of Non- Inferiority Clinical Trials. (Co-advisor with M.-H. Chen).

29. Xunjin (Tony) Jiang (Ph.D. June 2013, expected). Hierarchical Bayesian Modeling and Analysis of Ecological and Evolutionary Biological Data. Biostatistician, Amgen Corporation, Thousand Oaks, CA.

30. Gyuhyeong Goh (Ph.D. August 2015). Model Selection and Diagnostics using Bregman Divergence. Assistant Professor, Kansas State University, Manhattan, KS.

31. Chantal Larose (Ph. D. August 2015). Clustering and Classification under Missing Data Mechanisms. (Co-advisor with O. Harel). Assistant Professor, State University of New York, Newpalz, NY.

32. Guang Ouyang (Ph.D. August 2015). Bayesian Social Network. ID Analytics, San Diego, CA.

33. Abhisek Saha (Ph.D. August 2016). Bayesian Analysis of Item Response Theory and Its Applications to Longitudinal Education Data. (Co-advisor with X. Wang).

34. Dooti Roy (Ph.D. 2017, expected). A New Class of Survival Functions with Surviving Fractions.

35. Ved Deshpande (Ph.D. 2017, expected). (Co-advisor with E. Schiaffano).

36. Aditya Mishra (Ph.D. 2017, expected). (Co-advisor with K. Chen).

37. Chongliang Luo (Ph.D. 2017, expected). (Co-advisor with K. Chen).

38. Shariq Mohammed (Ph.D. 2018, expected). (Co-advisor with Y. Zhang).

39. Aritra Halder (Ph.D. 2020, expected).

VISITING GRADUATE STUDENT SUPERVISION

1. Rafael Farias, University of Sao Paulo, Brazil.

2. Fabio DeMarqui, Federal Unoversity of Minas Gerias, Belo Horizonte, Brazil.

3. Yiqi Bao, University of Sao Paulo,Sao Carlos, Brazil.

4. Jos Augusto Fiorucci, University of Sao Paulo, Sao Carlos, Brazil.

5. Zaida Quiroz Cornejo, Campinas State University, Campinas, Brazil.

POST DOCTORAL SUPERVISION

1. Marcia delia Branco, Ph.D. University of Sao Paulo, Brazil.

2. Chansoo Kim, Ph.D. Pusan National University, Korea.

3. Sung-Duk Kim, Ph.D. Pusan National University, Korea.

4. Jayanta K. Pal, Ph.D. University of Michigan, at SAMSI.

5. Juan Carlos Vivar, Ph.D. Federal University of Rio de Janeiro, Brazil.

6. Jinhyuk Jung, Ph.D. Pusan National University, Korea.

7. Victor Hugo Lachos Davilla, Ph.D. University of Sao Paulo, Brazil.

8. Carlos Antonio Abanto Valle, Ph.D. Federal University of Rio de Janeiro, Brazil.

9. Vicente Cancho Gariby, Ph. D. University of Sao Paulo, Brazil.

10. Gladys Barriga, Ph. D. University of Sao Paulo, Brazil.

11. Lourdes Coral Contreras Montenegro, Ph. D. Federal University of Minas Gerias, Belo Horzonte, Brazil.

COMMITTEE SERVICE
National or International

1. Representative of the Section of Bayesian Statistics to the American Statistical Association, 2002-2004.

2. Representative of the Institute of Mathematical Statistics to the American Mathematical Society, 1998-2000.

3. Organizing committee member on the International Conference jointly sponsored by Bernoulli Society and Indian Statistical Institute, 1997-1998.

4. Member, Nominating Committee of the Institute of the Mathematical Statistics, 1997-1998.

5. Member, Publication Committee of the Institute of Mathematical Statistics, 1997- 2001.

6. Member, Program Committee, Joint Statistical Meetings, 1997-1998.

7. Member, Memorial Committee of the Institute of Mathematical Statistics, 1998 - 2000.

8. Member, Organizing Committee, International Society for Bayesian Statistics meeting at Vina del Mar, Chile, 2004.

9. Member, Committee on Selection of Editors of the Institute of Mathematical Statistics, 2003 - 2005. Chair during 2005.

10. Member, Archive and Historical Committee, American Statistical Association, 2003 - 2009.

11. Chair, Advisory Committee, International Conference on Bayesian Statistics and its Applications, Varanasi, India, January 2005.

12. Co-Chair, Organizing Committee, International Conference on the Future in Statistical Theory, Practice and Education, Hyderabad, India, December 2004.

13. Member, International Advisory Committee, International Conference on Statistics, Combinatorics and Related Areas, 2003.

14. Member NIH research panel on "Modeling and Applications in Biological Systems", 2004.

15. Member NIH research panel on "Clinical Proteomics", 2005.

16. Member NIH research panel on "Bioinformatics", 2005.

17. Member, Savage Award committee, International Society of Bayesian Analysis, 2005-2006.

18. Member, Fellow Selection Committee, Institute of Mathematical Statistics, 2007-2009.

19. Member, Fellow Selection Committee, Institute of Mathematical Statistics, 2007-2009.

20. Member, Accreditation Implementation Committee of the American Statistical Association, 2010-.

21. COPSS Presidents' Award Committee, 2010-2013.

22. Member, SBSS constitution committee, 2010.

23. Chair, Advisory Committee, International Conference on Bayesian Statistics and its Applications, Varanasi, India, January 2013.

24. International Advisory Board member of the first Latin American summer school in Bayesian Statistics, sponsored by ISBA, at University of Costa Rica, July 2013.

COURSES TAUGHT AT UNIVERSITY OF CONNECTICUT

1. Descriptive Statistics
2. Applied Regression Analysis
3. Design of Experiments
4. Statistical Methods
5. Intermediate Probability Theory
6. Statistical Decision Theory
7. Multivariate Analysis
8. Reliability and Statistical Quality Control
9. Theory of Estimation
10. Statistical Inference
11. Biostatistics
12. Bayes Theory
13. Longitudinal Data Analysis
14. Linear Models I
15. Linear Models II
16. Bayesian Data Analysis

INVITED COLLOQUIUM / PAPERS

1. Department of Statistics, University of Kentucky, Lexington, February, 1980.
2. Department of Statistics, State University of New York, Buffalo, January1981.
3. Department of Statistics, University of California, Riverside, February 1981.
4. Department of Mathematics, Texas Tech University, Lubbock, March 1982.
5. Conference for Texas Statisticians, Baylor University, Waco, Texas, April 1984.
6. Indian Statistical Institute, Calcutta, India, July 1984, October 1991, November 1991.
7. Department of Statistics, Harvard University, October 1985.
8. Department of Mathematics and Statistics, University of Massachusetts, November 1985, October 1990, November 1994.
9. Southern Regional Educational Board, Committee on Statistics, Boone, North Carolina, June 1985.
10. IMS Regional Meeting, West Lafayette, Indiana, June 1986.
11. Department of Mathematics, Worcester Polytechnic Institute, December1987, October 1993.
12. Department of Mathematics, University of Maryland at Baltimore County, December 1988.
13. R.C. Bose Symposium on Probability, Statistics and Design of Experiment, New Delhi, India, December 1988.
14. International Conference on recent developments in Statistical data analysis and inference, University of Neuchatel, Switzerland, August 1989.
15. NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, University of Chicago, October 1989.
16. Department of Mathematics, University of Maine, March 1990.
17. Brazil-U.S. Workshop on Bayesian Statistics and Econometrics, Rio de Janeiro, Brazil, July 1990.

18. Recent Developments in Probability and Statistics, Conference in memory of C.G. Khatri, New Delhi, India, December 1990.

19. Department of Mathematics, Boston University, March 1991.

20. Statistical Research Division, Bureau of the Census, Washington D.C., July 1991.

21. Institute of Statistics & Decision Sciences, Duke University, Durham, North Carolina, July 1991.

22. School of Economic and Financial Studies, Macquire University, Sydney, Australia, September 1991.

23. Central University, Chungli, Taiwan, R.O.C., December 1991.

24. Fujen Catholic University, Hsinchuang, Taiwan, R.O.C., December 1991.

25. Chung San University, Kaohsiung, Taiwan, R.O.C., December 1991.

26. Cheng Kung University, Tainan, Taiwan, R.O.C., December 1991.

27. Tamkang University, Tamsui, Taiwan, R.O.C., December 1991.

28. Tsing Hwa University, Hsinchu, Taiwan, R.O.C., December 1991.

29. Chengchi University, Taipei, Taiwan, R.O.C., December 1991.

30. Academic Sinica, Taipei, Taiwan, R.O.C., December 1991.

31. Department of Mathematics, Cornell University, March 1992.

32. International Conference on Bayesian Robustness. CNR IAMI, Milano, Italy, May 1992.

33. Fifth Purdue Symposium on Statistical Decision Theory and Related Topics. West Lafayette, Indiana, June 1992.

34. Department of Mathematics, Bucknell University, Lewisburg, Pennsylvania, November 1992.

35. First Multinational Riverboat Conference on Bayesian Econometrics and Statistics, Basel-Amsterdam, April-May, 1993.

36. Joint Statistical Meetings, San Francisco, August 1993.

37. Department of Statistics, Rutgers University, September 1993.

38. Fifth International Meeting on Bayesian Statistics, Alicante, Spain, June 1994.

39. Second International Society of Bayesian Analysis meeting, Toronto, Canada, August 1994.

40. Department de Mathematiques et de Statistique, Universite de Montreal, December 1994.

41. Second International Workshop on Bayesian Robustness, Rimini, Italy, May 1995.

42. Department of Pure Mathematics and Mathematical Statistics, University of Cambridge, U.K., May 1995.

43. Fourth Conference on Model Oriented Data Analysis, Spetses, Greece, June 1995.

44. Department of Mathematics, Imperial College, London, U.K., June 1995.

45. Statistics and Mathematics Unit, Indian Statistical Institute, Calcutta, India, July 1995.

46. Joint Statistical Meeting at Orlando, Florida, August 1995.

47. Third International Society of Bayesian Analysis Meeting, Oaxaca, Mexico, September 1995.

48. Department of Statistics, University of Florida, Gainesville, October 1995.

49. Center for Statistical Sciences, Brown University, Providence, November 1995.

50. Second Workshop on Intrinsic Bayes Factor, Universidad Simon Bolivar, Caracas, Venezuela, November 1995.

51. Department of Mathematics, Northern Illinois University, DeKalb, December 1995.

52. Workshop on Default Bayesian Statistical Methodology, Purdue University, West Lafayette, Indiana, November 1996.

53. Department of Biostatistics, Harvard University, March 1997.

54. Department of Statistics, North Carolina State University, April 1997.

55. Institute of Statistics and Decision Sciences, Duke University, April 1997.

56. Inter American Statistical Institute, University of Costa Rica, San Jose, Costa Rica, May 1997.

57. Department of Mathematics & Statistics, Utah State University, Logan, Utah, July 1997.

58. Joint Statistical Meetings, Biometrics Section, Anaheim, California, August 1997.

59. Joint Statistical Meetings, Section on Bayesian Statistics, Anaheim, California, August 1997.

60. Department of Mathematics, University of Nebraska, Lincoln, October 1997.

61. INFORMS Meeting at Dallas, Texas, October 1997.

62. Third International Triennial Calcutta Symposium, University of Calcutta, December 1997.

63. Department of Mathematical Sciences, University of Cincinnati, May 1998.

64. Sixth Valencia Conference on Bayesian Statistics, Alcosebre, Spain, May 1998.

65. Sixth Purdue Symposium on Statistical Decision Theory, West Lafayette, Indiana, June 1998.

66. Thirteenth Brazilian Symposium of Probability and Statistics, Caxambu, Brazil, July 1998.

67. Departamento de Estatistica, Universidade de So Paulo, Brazil, July 1998.

68. Departamento de Mathematica, Universidade de So Carlos, Brazil, July 1998.

69. Joint Statistical Meetings, Section on Bayesian Statistics, Dallas, Texas, August 1998.

70. Department of Mathematical Sciences, New Jersey Institute of Technology, September 1998.

71. International Indian Statistical Association Conference, McMaster University, Hamilton, Ontario, October 1998.

72. Department of Statistics, University of Georgia, Athens, November 1998.

73. The International Biometric Society (ENAR) Meeting, Atlanta, Georgia, March 1999.

74. Department of Mathematics, Boston University, April 1999.

75. Department of Statistics, Texas A&M University, May 1999.

76. Fourth Chilean workshop on Bayesian Statistics, Santiago, Chile, January 2000.

77. Keynote Speaker, Fourteenth New England Statistics Symposium, Brown University, April 2000.

78. American Mathematical Societys Summer Research Conference, Mount Holyoke College, June 2000.

79. Joint Statistical Meetings, Section on Bio Pharmaceutical Statistics, Indianapolis, Indiana, August 2000.

80. Department of Biometry, Medical University of South Carolina, Charleston, South Carolina, August 2000.

81. Department of Statistics, University of Missouri, Columbia, Missouri, November 2000.

82. Department of Mathematics and Statistics, University of Southampton, UK, December 2000.

83. Department of Statistics, University of Leeds, UK, December 2000.

84. Fourth International Triennial Calcutta Symposium, University of Calcutta, December 2000.

85. International Indian Statistical Association Meeting, New Delhi, January 2001.

86. Department of Statistics, Ohio State University, Columbus, Ohio, April 2001.

87. Department of Mathematics, University of Louisiana, Lafayette, Louisiana, April 2001.

88. Keynote Speaker, Louisiana Chapter of the American Statistical Association, New Orleans, Louisiana, April 2001.

89. Department of Statistics, Pusan National University, Pusan, Korea, July 2001.

90. Department of Statistics, Seoul National University, Seoul, Korea, July 2001.

91. Department of Statistics, University of British Columbia, Vancouver, September 2001.

92. Department of Statistics, Simon Fraser University, Burnaby, October 2001.

93. Department of Statistics, Pennsylvania State University, November 2001.

94. Department of Statistics, Calcutta University, at the Diamond Jubilee Celebration, January 2002.

95. Hawaii International Conference, Honolulu, Hawaii, June 2002.

96. Conference on Statistics, Probability and Related Areas, Northern Illinois University, De Kalb, Illinois, June 2002.

97. Department of Statistics, University of So Paulo, Brazil, July 2002.

98. Special Invited paper at the 15th Brazilian Statistical Society Meeting at Aguas de Lindoya, So Paulo, Brazil, August 2002.

99. Joint Statistical Meeting, New York, August 2002.

100. Department of Statistics, Iowa State University, Ames, Iowa, October 2002.

101. Fifth Latin American Statistical Association Meeting, Buenos Aires, Argentina, November 2002.

102. International Conference on Ranking and Selection, Multiple Comparisons, Reliability and Their Applications, Chennai, India, December 2002.

103. International Conference: Statistics in Industry and Business, Cochin, India, January 2003.

104. Current Trends in Bayesian Statistics, Indian Statistical Institute, Kolkata, India, January 2003.

105. Statistical Society of Montrel, Montrel, Canada, March 2003.

106. Department of Statistics, Penn State University, State College, April 2003.

107. Seventh Purdue Symposium, Purdue University, West Lafayette, Indiana, June 2003.

108. 7th Latin American Congress on Bayesian Statistics, Universidade Federal de So Carlos, So Paulo, Brazil, July, 2003.

109. Department of Statistics, Case Western Reserve University, Cleveland, Ohio, November 2003.

110. International Workshop on Applied Probability, University of Pireus, Greece, March 2004.

111. International Society of Bayesian Analysis, Vin'a del Mar, Chile, May, 2004.

112. International Indian Statistical Association meeting, University of Georgia, Athens, Georgia, June 2004.

113. Joint Statistical Meetings, Toronto, Canada, August 2004.

114. Department of Mathematics and Statistics, University of Windsor, Canada, November, 2004.

115. International Conference on the Future in Statistical Theory, Practice and Education, Hyderabad, India, December 2004.

116. International Conference on Bayesian Statistics and its Applications, Varanasi, India, January 2005.

117. Second Latin American Congress on Bayesian Statistics, San Jose del Cabo, Mexico, February, 2005.

118. Frontiers in Applied and Computational Mathematics, 05, Department of Mathematical Sciences, New Jersey Institute of Technology, Newark, NJ, May 2005.

119. Workshop on Recent Advances in Modeling Spatio-temporal Data, Southampton Statistical Science Research Institute, University of Southampton, UK, May 2005.

120. Fifth International Conference on Objective Bayesian Statistics, Branson, MO, June 2005.

121. Department of Mathematics, Shanghai Jiao Tong University, Shanghai, China, July, 2005.

122. The Joint Meeting of the Chinese Society of Probability and Statistics and the Institute of Mathematical Statistics, Beijing, China, July 2005.

123. The Joint Statistical Meetings, Minneapolis, MN, August 2005.

124. Department of Biostatistics & Computational Biology, University of Rochester Medical School, Rochester, NY, September 2005.

125. Fifth Annual Red Raider Mini-Symposium on Geometry, Statistics and Image Analysis at Texas Tech University, Lubbock, TX, November, 2005.

126. International Conference In Statistics, University of Malaya, Kuala Lumpur, Malaysia, December, 2005.

127. Department of Genetics, Indian Statistical Institute, Kolkata, India, January 2006.

128. International Chinese Statistical Association, Applied Statistics conference, Storrs, CT, June, 2006.

129. Institute of Statistics & Decision Sciences, Duke University, Durham, NC, September 2006.

130. Division of Probability and Statistics, Indian Statistical Institute, Delhi Center, Delhi, India, December, 2006.

131. Multivariate Statistical Methods in the 21st Century. International Celebrating the Birth Centenary conference in honor of S. N. Roy, Indian Statistical Institute, Kolkata, India. December, 2006.

132. Seventh Triennial conference in Statistics, Calcutta University, Kolkata, India. December 2006.

133. International Indian Statistical Association, Joint Statistical Meeting and International Conference, Department of Statistics, Cochin University of Science and Technology. Cochin, India, January 2007.

134. Graduate School of Business, University of Chicago, Chicago, Illinois, February, 2007.

135. Tenth Regression School, Brazilian Statistical Association, Salvador, Bahia, Brazil, February, 2007.

136. Department of Mathematics and Statistics, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil, March 2007.

137. Department of Statistics, Yale University, New Haven, Connecticut, March 2007.

138. Division of Mathematics, IBM T J Watson Research Center, Yorktown, New York, March, 2007.

139. Department of Biostatistics, Bioinformatics and Epidemiology, Medical University of South Carolina, Charleston, SC, June 2007.

140. International Chinese Statistical Association, Apllied Statistics Symposium, Raleigh, NC, June 2007.

141. Joint Statistical Meetings, Salt Lake City, UT, July 2007.

142. Department of Statistical Sciences, Duke University, Durham, NC, August, 2007.

143. Division of Biostatistics, National Institute of Environmental Health and Sciences, Research Triangle Park, NC, September 2007.

144. Current and Future Trends in Nonparametrics, University of South Carolina, Columbia, SC, October 2007.

145. Department of Statistics, North Carolina State University, Raleigh, NC, November, 2007.

146. Undergraduate Workshop at the SAMSI program on Risk Analysis, Extreme Events and Decision Theory, SAMSI, Research Triangle Park, NC, November, 2007.

147. International Conferences on Statistical Paradigms: Recent Advances and Reconciliations, Indian Statistical Institute, Kolkata, India, January 2008.

148. Inaugural Lecture at the Interdisciplinary Institute of Science and Technology in the Department of Mathematical Sciences, Banaras Hindu University, Banaras, India, January 2008.

149. International Biometrics Society, ENAR, Crystal City, VA, March, 2008.

150. Odyssey Lecture, Johns Hopkins Center for Talented Youth, March, 2008.

151. SAMSI workshop on Risk Revisited, Durham, NC, May, 2008.

152. International Indian Statistical Association conference, Storrs, CT, May, 2008.

153. University of Rochester Medical School, Rochester, NY, January, 2009.

154. Department of Statistics, George Washington University, D C, April, 2009.

155. Seventh Bayesian Nonparametrics Workshop, Moncalieri, Italy, June 2009.

156. International Indian Statistical Association conference, Visakhapatnam, India, January 2010.

157. Division of Computational Biology, Bose Institute, Kolkata, India, January, 2010.

158. International conference on Statistics and Probability, Pontificia Universidad de Catolica del Peru, Lima, Peru, February, 2010.

159. Special invited talk on Mentoring at the New Researchers conference. University of British Columbia, Vancouver, Canada, July 2010.

160. Joint Statistical Meeting, Vancouver, Canada, August 2010.

161. International Society for Clinical Biostatistics, Montpellier, France, August 2010.

162. International Chinese Statistical Society Meeting, Guangzhou, China, December 2010.

163. Department of Applied Mathematics, Calcutta University, Kolkata, India, January 2011.

164. National Institute for Biomedical Genomics, Kalyani, India, January 2011.

165. Mu Sigma Rho invited talk, Department of Statistics, Virginia Tech, Blacksburg, VA, April, 2011.

166. Probabilistic and Inferential Aspects of Skew-Symmetric Models, Santiago, Chile, May 2011.

167. Invited discussant at the Joint Statistical Meetings, Miami beach, FL, August 2011.

168. Department of Statistics, Harvard University, Cambridge, Ma, September 2011.

169. Plenary speaker, 53rd Annual meeting of the South African Statistical Association, Pretoria, 2011, October 2011.

170. Department of Economics, University of Pretoria, South Africa, November 2011.

171. Professional Development Conference at the Graduate Student Senate, University of Connecticut, April 2012.

172. International Chinese Statistical Association meeting, Boston, MA.

173. 20th Brazilian Statistical Association Meeting, Joao Pessoa, Brazil, July 2012.

174. Department of Statistics, Campinas State University, Campinas, Brazil, August, 2012.

175. Department of Statistics, Federal University of Minas Gerais, Bello Horizonte, Brazil, August, 2012.

176. Department of Statistics, University of Sao Paulo, Brazil, August, 2012.

177. Invited speaker at the symposium on Non-Gaussian Multivariate Statistical Models and Their Applications, Banff International Research Station, Banff, Canada.

178. First Latin American Symposium in Bayesian Statistics, sponsored by ISBA, at University of Costa Rica, July 2013.

179. Invited speaker at the Joint Statistical Meetings in Montreal, Canada, August 2013.

180. Invited speaker at Stat 2013: Socio-Economic Challenges and Sustainable Solutions, C R Rao AIMCS, Hyderabad, India, December 2013.

181. Department of Statistics, University of Calcutta, Kolkata, January 2014.

182. Division of Applied Statistics, Indian Statistical Institute, January 2014.

183. Indian Institute of Management, Calcutta, January 2014.

184. Plenary speaker: 12th Brazilian conference on Bayesian Statistics, Atibaia, Sao Paulo, March 2014.

185. Plenary speaker: Applied Statistics workshop, School of Statistics, Renmin University, Beijing, China, June, 2014.

186. School of Statistics, Renmin University, Beijing, China, June 2014.

187. Chinese Academy of Sciences, Beijing, China, June 2014.

188. Frontiers of Hierarchical Modeling in Observational Studies, Complex Surveys and Big Data: Conference in honor of M. Ghosh, University of Maryland, College Park, MD, June, 2014.

189. International Chinese Statistical Association, Fort Collins, Co, June, 2014.

190. Plenary speaker: 3rd International conference in Probability and Statistics, PUCC, Lima, Peru, August, 2014.

191. Silver Jubilee Lecturer: Chennai Mathematical Institute, Chennai, India, January, 2015.

192. Indian Statistical Institute, Chennai Branch, January 2015.

193. Center for Research in Nanoscience and Nanotechnology, University of Calcutta, January 2015.

194. Plenary Speaker at the Brazilian Conference on Regression, Campinas, Brazil, March 2015.

195. Plenary Speaker at the Conference in honor of Alan Gelfand, Duke University, April 2015.

196. International Chinese Statistical Association, Portland, OR, June 2015.

197. Department of Statistics, Texas A & M University, College Station, Texas, September, 2015.

198. Department of Biostatistics, School of Public Health, University of Texas, Houston, Texas, September, 2015.

199. Cogitas Business Analytics Inc. Mumbai, India, December, 2015.

200. Plenary Speaker, International Indian Statistical Association meeting, Pune, India, December, 2015.

201. Indian Institute of Management, Bangalore, India, January, 2016.

202. SIAM conference on Uncertainty Quantification, Lausanne, Switzerland, April, 2016.

203. Bayes, Frequentist and Fiducial Workshop at DIMAC, Rutgers University, NJ, April 2016.

204. Social Decision Analysis Laboratory, Virginia Tech at Arlington, VA, May, 2016

205. International Society for Business and Industrial Statistics conference, Barcelona, Spain, June, 2016.

206. International Society for Bayesian Analysis World Congress, Cagliary, Sardinia, Italy, June, 2016.

207. Department of Mathematics, University of Nottingham, England, September, 2016.

208. Department of Mathematical Sciences, University of Southampton, England, September, 2016.

209. Department of Mathematics, University of Glasgow, Scotland, September, 2016.

210. Department of Economics, Heriot Watt University, Scotland, September, 2016.

211. Department of Mathematical Sciences,, University of Southampton, Scotland, October, 2016.

212. Department of Statistics, Kansas State University, Manhattan, Ks, Novemeber, 2016.

213. Invited presentation at the workshop for Sankhya at the Indian Statistical Institute, Kolkata, Decmber, 2016.

214. Invited Speaker, The First Eastern Asia Meeting on Bayesian Statistics, Shanghai, China, December, 2016.

215. Invited Speaker, The 10th ICSA international conference, Shanghai Jiao Tong University in China, December,2016.

216. Invited Speaker,at the conference on Quantitave Methods for Public Health Researchers in SAARC Countries, sponsored by International Statistical Institute and World Bank, Kolkata, December, 2016

CONTRIBUTED PAPERS PRESENTED

1. IMS Annual Meeting, Cincinnati, August 1982.

2. Sixth International Symposium on Multivariate Analysis, Pittsburgh, July, 1983.

3. IMS Regional Meeting, Austin, Texas, March 1985.

4. International Symposium on Advances of Multivariate Analysis Indian Statistical Institute, Calcutta, India, December 1985.

5. National ASA Meeting, Las Vegas, August 1985.

6. National ASA Meeting, Chicago, August 1986.

7. First New England Statistics Symposium, April 1987.

8. IMS Regional Meeting, Blacksburg, Virginia, May 1987.

9. National ASA Meeting, San Francisco, August 1987.

10. Second New England Statistics Symposium, University of Massachusetts, April 1988.

11. National ASA Meeting, New Orleans, August 1988

12. National ASA Meeting, Washington, D.C., August 1989.

13. Fourth Valencia International Meeting on Bayesian Statistics, Peniscola, Spain, April 1991.

14. NBER-NSF seminar on Bayesian Inference in Econometrics and Statistics, Duke University, October 1992.

FIELDS OF RESEARCH INTEREST

Decision Theory, Multivariate Analysis, Bayesian Analysis, Biostatistics, Computational Statistics, Reliability and Survival Analysis, Statistical Shape Analysis, Statistical Genetics, Bioinformatics.

BOOKS

1. Practical Nonparametric and Semiparametric Bayesian Statistics. Springer-Verlag Lecture Notes Series, Volume 133 (with P. Mller and D. Sinha), 1999.

2. Generalized Linear Models: A Bayesian Perspective. Marcel-Dekker, Inc. (with S. K. Ghosh and B.K. Mallick), 2001.

3. A First Course for Linear Models. Chapman and Hall, CRC (with N. Ravishanker), 2002.

4. Handbook of Statistics Vol.25, Bayesian Thinking, Modeling and Computation, Elsevier Science, Amsterdam (with C.R. Rao), 2005.

5. Bayesian Statistics and its Application. Proceedings of the International conference on Bayesian Statistics, Varanasi, India, eds. with U. Singh and S.K. Upadhyaya, 2006.

6. Essential Bayesian Models. November 2010. North Holland. (With C.R. Rao).

7. Bayesian Bioinformatics. Chapman & Hall CRC (with S. Ghosh and B.K. Mallick), 2010.

8. Frontiers of Statistical Decision Making and Bayesian Analysis. Springer (with M.-H. Chen, P. Mueller, D. Sun and K. Ye). 2010.

9. Current Trends in Bayesian Methodology with Applications, May 2015. CRC Press. (With Satyanshu K. Upadhyay and Umesh Singh).

10. Extreme Value Modeling and Risk Analysis: Methods and Applications. January 2016. CRC Press. (With J. Yan).

PUBLICATIONS

1. On truncation of shrinkage estimators in simultaneous estimation of normal means. J. American Statist. Assoc. (1983), 78 (384): 865 869 (with J.O. Berger).

2. Combining coordinates in simultaneous estimation of normal means. J. Statist. Planning and Inference (1983)2: 143 161 (with J.O. Berger).

3. On truncation of multiparameter estimator in discrete exponential families. Comm. Statist. A (1983),(12): 89 101.

4. On the choice of coordinates in simultaneous estimation of normal means under misspecification of normal priors. Comm. Statist. A (1983),(6): 661 673.

5. Trimmed estimates in simultaneous estimation of parameters in exponential families. J. Multivariate Analysis (1984), 15 (2): 183 200 (with M. Ghosh).

6. On simultaneous estimation of parametric functions in a contingency table. J. Statist. Comp. & Simul. (1984), 20: 261 269.

7. Simultaneous estimation of Poisson means under contaminated prior. Metron. (1984), 85 91.

8. Truncation of shrinkage estimators of normal means in the nonsymmetric case. Multivariate Analysis (1985), 6: 43 56 (ed. P.R. Krishnaiah) (with J.O. Berger).

9. Estimation of Covariance matrix under Stein's loss. Ann. Statist. (1985), 13, 1581 1591 (with C. Srinivasan).

10. On the inadmissibility of preliminary test estimators when the loss involves a complexity cost. Ann. Inst. Statist.Math. (1986), 38, A: 419 427.

11. Trimmed minimax estimator of covariance matrix. Ann. Inst. Statist. Math. (1986), 38, A: 47 54 (with C. Srinivasan).

12. On estimation of Poisson logits. Comm. Statist. (1986), A 15: 2087 2098. Special issue on Stein type multivariate estimation (with C. Srinivasan).

13. Simultaneous estimation of parameters under entropy loss. J. Statist. Planning and Inference (1987), 15: 347 363 (with M. Ghosh and C. Srinivasan).

14. A flexible bathtub hazard model for nonrepairable systems with uncensored data. Microelectronics and Reliability (1987), 27 (1): 87 103 (with L. Jaisingh and W. Kolarik).

15. A bathtub hazard model and an application to system warranty. Transactions of the Kentucky Academy of Sciences (1987), 48: 20 25 (with L. Jaisingh and W. Kolarik).

16. Improved estimation of a multinormal precision matrix. Statistics and Probability Letters (1987), 6: 125 128.

17. A new inadmissibility theorem with applications to estimation of survival and hazard rates and means in the scale parameter family. Sankhya (1988), A, 50(2),269 281. (With A. Das Gupta and A.E. Gelfand).

18. Improved estimator of disturbance variance in a linear regression model. Journal of Econometrics (1988), 39,387 395 (with A .E. Gelfand).

19. On the estimation of variance ratio. J. Statist. Planning and Inference (1988), 19: 121 131 (with A.E. Gelfand).

20. Simultaneous estimation of eigenvalues. Ann. Inst. Statist. Math. (1988), 1: 137 147.

21. Improved estimation of variance components in mixed models. Comm. Statist. (1988) A (17): 3313 3331, (with A.E. Gelfand).

22. Estimation of system reliability for independent series components with Weibull life distributions. IEEE Transactions on Reliability (1988), 37: 401 405 (with L. Jaisingh).

23. Estimation of series system reliability for exponentially distributed component life times. Microelectronics and Reliability, (1988), 28; 6: 909 917, (with A.K. Singh and A. Singh).

24. On estimation of the scale matrix of the multivariate F distribution. Comm. Statist. (1989), A, 1373-1384.

25. Improved estimation of a patterned covariance matrix. J. Multivariate Analysis (1989), 31:(1), 107-116. (with A.E. Gelfand).

26. A class of minimax estimators of the scale parameter of uniform distribution, Statist. and Prob. Letters, (1990), 9, 317-321. (with A.L. Rukhin and L. Kuo).

27. Estimation of parameters and reliability from generalized life models, Comm. Statist. (1990) A, 19, 1073-1099. (With P.S. Liu).

28. Estimation of scale parameters in mixture distributions. Canadian J. Statist. (1990), 18, 171-178.

29. On the admissibility of the linear estimators of the Poisson mean using LINEX loss function, Statist. and Decisions, (1990), 8, 201-210. (With L. Kuo).

30. A new class of improved estimators of a multinormal precision matrix. Statistics and Decisions, (1990), 8, 141-151. (With C. Srinivasan and M. Ghosh).

31. On estimation of discriminant coefficients Statist. and Prob. Letters, (1991) 11, 189-193 (with C. Srinivasan).

32. On measuring Bayesian robustness of contaminated classes of priors. Statistics and Decisions, (1991) 9, 63-80 (with A.E. Gelfand).

33. A new empirical Bayes estimator with type II censored data, Computational Statistics & Data Anal. (1991) 12, 271-279 (with L. Kuo).

34. Multiparameter estimation in truncated power series distributions under Stein's loss. Comm. Statist. (1991), A. 20, 309-326 (with Y. Chung).

35. Comments on "Bayesian Pitman Closeness" by M. Ghosh and P.K. Sen, Comm. Statist. (1991) A, 20, 3689-3691.

36. On comparison of estimators in a generalized life model. Microelectronics and Reliability 32, 207-221 (1992) (with P.S. Liu).

37. Compound Poisson distributions: properties and applications. Comm. Statist. (1992) A, 21, 3097-3122 (with Y. Chung).

38. Model determination using predictive distributions with implementation via sampling-based methods. (With A.E. Gelfand and H. Chang). Bayesian Statistics 4. (Bernardo et al. ed.), (1992), 147-167.

39. Bayes computation for life testing and reliability. IEEE Transactions in Reliability (1992), 41, 621-626 (with T.M. Lee).

40. Improved estimation of common scale parameter of several Pareto distributions. Calcutta Statist. Assoc. Bull. (1992), 42, 177-189 (with P.S. Liu).

41. Frequentist validity of posterior quantiles in the presence of a nuisance parameter: higher order asymptotics. Biometrika, (1993), 80, 3, 499-505 (with R. Mukerjee).

42. Estimating bivariate errors-in-variables models with instrumental variables. Comm. Statist. B, (1993), 22, 863-876 (with J.M. Clapp).

43. Measuring local influence of posterior features under contaminated classes of priors. Statistics and Decisions (1993), 11, 377-390 (with L. Birmiwal).

44. On the choice of prior for the Bayes estimation in accelerated life testing. J. Statist. Comp. and Simultaion (1993), 48, 207-217 (with F. Peng).

45. Properties for a multivariate survival distribution generated by Weibull-inverse Gaussian mixture, IEEE Transactions on Reliability (1993), 42, 618-622 (with W.S. Griffith & L. Jaisingh).

46. Bayesian robustness for multiparameter problems. J. Statist. Planning and Inference (1994), 40, 375-382 (with M. Delampady).

47. Comments on Uniform and subuniform posterior robustness: the sample size problem by A. DasGupta and S. Mukhopadhyay, J. Statist. Planning and Inference, (1994), 40, 201-203.

48. Bayesian model choice: asymptotics and exact calculations. J. Royal Statist. Soc., B, (1994), 56, 501-514 (with A.E. Gelfand).

49. Robust Bayesian analysis using divergence measures. Statist. Prob. Letters (1994), 20, 287-294 (with L.R. Birmiwal).

50. Simultaneous estimation of parameters from power series distributions under asymmetric loss. J. Korean Statist. Soc. 23, (1994), 151-166 (with Y. Chung).

51. The application of improved eigenvalue estimation to adaptive beamforming and detection. IEEE Twenty-eighth Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, California (1994), 677-681, (with D.A. Abraham).

52. Simultaneous estimation of Poisson means under weighted entropy loss. Calcutta Statist. Assoc. Bulletin (1994), 44, 165-174, (with Y. Chung, and C. Kim).

53. Modeling expert opinion arising as a partial probabilistic specification J. Amer. Statist. Assoc., (1995), 90, 598-604, (with A.E. Gelfand and B. Mallick).

54. Modeling heterogeneity and extraneous variation using weighted distributions. MODA4 - Advances in Model Oriented Data Analysis, Physica-Verlag, (1995), 241-250, (with F. Peng and D. Larose).

55. Bayesian analysis of outlier problems using divergence measures. Canadian Journal of Statistics, (1995), 23,2, 194-213, (with F. Peng).

56. A Bayesian predictive approach to determining the number of components in a mixture distribution. Statistics and Computing, (1995), 5, 297-305, (with L. Kuo and S.K. Sahu).

57. Shrinkage estimation in time series using a bootstrapped covariance estimate. J. of Statist. Comp. & Simul., (1995), 53, 259-267, (with N. Ravishanker and L.S.-Y. Wu).

58. Measuring information contained in nuisance parameters: Poisson ratio problem. Parisankhyan Samikkha, Special Issue. (1995), 2, 9-29, (with F. Peng).

59. Bayesian approach in model selection for the binary response data. Advances in Econometrics, (1996), 11, A, 145-175 (with H. Chang and S. Ray).

60. Estimation of Langmuir constants using linear and nonlinear least squares regression analyses. Soil Science Society of America Journal, (1996), 60, 2, 433-442, (with C.P. Schulthess).

61. Comments on "The Intrinsic Bayes factor for linear models" by J.O. Berger and L.R. Pericchi, Bayesian Statistics 5. (Bernardo et. al. ed.), (1996), 39-40.

62. Comments on "Local sensitivity analysis" by P. Gustafson, C. Srinivasan and L. Wasserman, Bayesian Statistics 5. (Bernardo et al. ed.), (1996), 208-209, (with S. K. Ghosh).

63. On local sensitivity measures in Bayesian analysis (with discussion). Lecture Notes - IMS Monograph Series, (1996), 29, 21-39, (with S.K. Ghosh and K. Lou).

64. Bayesian estimation of entropy with applications in model diagnostics, Special Issue: Journal of Statistical Research, (1996), 30, 1, 9-20, (with A. Gangopadhyay).

65. Shrinkage estimation of contemporaneous outliers in concurrent time series. Comm. Statist. B, (1996), 25, 643-656, (with N. Ravishanker, L.S.-Y. Wu).

66. Weighted distributions viewed in the context of model selection: a Bayesian perspective. Test, (1996), 5, 227-246, (with D. T. Larose).

67. Bayes factor for change-point problem with conjugate prior. J. Korean Statist. Soc., 25, 577-588, (with Y. Chung).

68. Bayesian approach to change point problems via predictive distribution. Comm. Statist., Theory and Methods, (1997), 26, 2035-2047, (with S. Purkayastha).

69. Overdispersed generalized linear models. Journal of Statistical Planning and Inference (1997), 64, 93-107, (with A.E. Gelfand and F. Peng).

70. Grouped random effects models for Bayesian meta-analysis, Statist. in Medicines, (1997), 16, 1817-1829, (with D.T. Larose).

71. Semiparametric Bayesian analysis of survival data. J. Amer. Statist. Assoc., (1997) 92, 1195-1212, (with D. Sinha).

72. A nonparametric approach to the k-sample inference based on entropy. Nonparametric Statistics, (1997),8, 237-252, (with A. Gangopadhyay and R. DiSario).

73. A Weibull regression model with gamma frailties for multivariate survival data. Life Time Data Analysis (1997), 3, 1-15, (with S.K. Sahu, H. Aslanidou and D. Sinha).

74. Bayesian approach for the nonlinear random effects models. Biometrics (1997), 53, 15-28, (with M.-H. Chen and H. Chang).

75. Measuring the effect of observations using posterior and intrinsic Bayes factor with vague prior information. (1997), Sankhya, A, 59, 376-391 (with S.K. Ghosh and H. Chang).

76. Modeling toxicological multivariate mortality data: a Bayesian perspective. Proceedings of the conference on Modelling Longitudinal and Spatially Correlated Data: Methods, Applications and Future Directions. (1997), 123-134, Springer-Verlag (with D. Sinha and H. Chu).

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255. Asymptotic Properties of Marginal Least Squares Estimator for Ultrahigh-Dimensional Linear Regression Models with Correlated Errors. The American Statistician (2017). (With G. Goh).

256. Censored regression models with autoregressive errors: A likelihood-based perspective. (With Fernanda L. Schumacher & Victor H. Lachos). The Canadian Journal of Statistics (2017).

PAPERS SUBMITTED FOR PUBLICATION

1. The cure rate geometric Birnbaum-Saunders regression model under a scan underlying activation mechanism: Bayesian estimation and influence diagnostics (With V. Cancho, G. Barriga and F. Louzada).

2. Robust nonlinear mixed-effects models with application to AIDS studies (with V. Lachos).

3. A transformation class of semiparametric spatio-temporal cure rate survival models for censored data. (With S. Huartado).

4. Semiparametric Bayesian modeling of spatio-survival data under cure fraction. (With S. Huartado).

5. Asymptotics of the empirical cross-over function (With K. Bharath and V. Pozdnyakov).

6. On clustering criteria for smooth distributions (With K. Bharath and V. Pozdnyakov).

7. 3D Automatic Identification of Embryonic Stem Cells Using Quantitative Phase contrast Imaging Digital Holographic Microscopy (With R. Liu, A. Anand, V. Chhaniwal, and B. Javidi).

8. Categorical data analysis using a skewed Weibull regression model (With R. Caron, A. Polpo, and D. Sinha).

9. A New Lifetime Model for Multivariate Survival Data with a Surviving Fraction (With V.G. Cancho).

10. Extreme Loyalty and the Implications of Scale Heterogeneity for Targeted Marketing (With J. Pancras and K. Sudhir).

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13. Investigating the Impact of Customer Stochasticity on Firm Price Discrimination Strategies Using a New Bayesian Mixture Scale Heterogeneity Model. (with X. Wang and J. Pancras).

14. Analysis of survival data with a cure fraction under generalized extreme value distribution (With D. Roy and V. Roy).

15. Asymptotic properties of marginal least squares estimator for ultrahigh-dimensional linear regression models with correlated errors. (With G. Goh).

16. Bayesian Joint Modeling of Response Times with Dynamic Latent Ability in Educational Testing. (With Xiaojing Wang and Abhisek Saha). Under revision with Psychometrika.

17. The Impact of Missing Values on Different Measures of Uncertainty (With C. Larose, & O. Harel). Submitted.

18. Negative-Binomial Cure Rate Models with Spatial Frailties for Interval-Censored Data. (With Y. Bao, J.A. Fiorucci, V.G. Cancho). Submitted.

19. Sequential Estimation of Sparse Factor Regression. (With A Mishra and K. Chen). Journal of Computational and Graphical Statistics. Submitted.

20. Bayesian inference for ordinal-response state space mixed models with conditional heteroscedasticity. (With Stefanos Dimitrikopoulos).

21. On estimation and influence diagnostics for zero-inflated hyper-Poisson regression model: full Bayesian analysis. (With V. Cancho, Y. Bao, and J. Fioruci).

22. Bayesian model assessment and selection using Bregman divergence. (With G. Goh). Bayesian Analysis. Under revision.

23. Bayesian Design of Non-Inferiority Clinical Trials via the Bayes Factor. (With W. Liu, M.-H. Chen and X. Wang)

PROCEEDING PAPERS/ UNPUBLISHED MANUSCRIPTS

1. Improved estimators in simultaneous estimation of scale parameters (with Alan E. Gelfand), Technical Report #399, Department of Statistics, Stanford University.

2. Multiparameter estimation of truncated discrete exponential distributions under entropy loss (with M. Ghosh), Technical Report #87 1, Department of Statistics, University of Connecticut.

3. On estimating eigenvalues in a two sample problem. Technical Report #87 8, Department of Statistics, University of Connecticut.

4. Estimation of matrix means and the precision matrix: A unified approach (with M. Ghosh and C. Srinivasan), Technical Report #87 18, Department of Statistics, University of Connecticut.

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6. Detection of number of signals in high resolution array processing by decision theoretic criterion. Technical Report No., Department of Statistics, University of Connecticut (with D. Abraham).

7. Estimation of scale matrix from elliptical distributions. Technical Report, Department of Statistics, University of Connecticut (with C. Srinivasan).

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9. Sensitivity diagnostics and robustness issues in Bayesian inference. Technical Report 9, Department of Statistics, University of Connecticut (with S.K. Ghosh).

10. Bayesian analysis of multivariate survival data using Monte Carlo methods. Proceeding of the Section on Bayesian Statistics, Joint Statistical Meeting, 1995 at Orlando (with H. Aslanidou and D. Sinha).

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17. Is estrogen linked to cancers of the breast and endometrium? New meta-analyses using Bayesian grouped random effects models (with D. Larose), Technical Report, Department of Statistics, University of Connecticut.

18. Estimation of Poisson means with applications to mortality indices (with T. Kubokawa), Technical Report, University of Connecticut.

19. Time series analysis of compositional data using a dynamic linear model approach. Proceeding of the Section on Bayesian Statistical Science, Joint Statistical meetings, 2003 at San Francisco, 226-231, (with A. Bhaumik and N. Ravishanker).

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48. Robust Linear Mixed Models with Skew-Normal independent distributions from a Bayesian perspective (With V. H. Lachos and V. G. Cancho).

49. Approximate inferences for nonlinear mixed-effects model with skew- normal independent distributions. (With V. H. Lachos).

50. Bayesian Analysis of Scale Mixtures of Log-Birnbaum-Saunders Regression Models with Censored Data (With V.H. Lachos and V.G. Cancho).

51. Robust Bayesian nonlinear mixed-effects models.(With V.H. Lachos and V. G. Cancho).

52. Sequential Estimation of Sparse Factor Regression. (With Aditya Mishra, Dipak Dey, Kun Chen).

53. Time Series Effects of Dissolved Oxygen and Nitrogen on Long Island Sound Lobster Harvest. (With Z. Mukherjee).

54. Compositional Data Analysis of the Effects of Hypoxia on Lobster Harvest in the Long Island Sound. (With Z. Mukherje).