CURRICULUM VITAE

DANI GAMERMAN

Date of birth: 30/10/1957
Nationality: Brazilian
dani@im.ufrj.br

1 Higher Education

1983-1987: Researching for Ph.D. in Statistics
Department of Statistics, University of Warwick, UK
Thesis entitled *Dynamic analysis of survival models and related processes*

1981-1983: Studying for M.Sc. in Statistics
Instituto de Matemática Pura e Aplicada (IMPA)
Rio de Janeiro - Brazil

1979-1982: Studying for a degree in Psychology
Universidade do Estado do Rio de Janeiro
Rio de Janeiro - Brazil

1976-1980: Studying for a degree in Mechanical Engineering
Instituto Militar de Engenharia
Rio de Janeiro - Brazil

2 Employment

1995 - : Professor of Statistics
Universidade Federal do Rio de Janeiro
Rio de Janeiro - Brazil

1987 - 1995: Lecturer in Statistics
Universidade Federal do Rio de Janeiro
Rio de Janeiro - Brazil

3 Invited Visits

1. September 2016: Visiting Researcher
   Department of Statistics
   University of Pescara (Italy)

2. July 2013: Visiting Researcher
   Department of Statistics
   University of Minnesota (USA)

3. January - February 2012: Teaching Visitor
   Department of Statistics
   ITAM (Mexico)

4. May 2011: Visiting Researcher
   Department of Statistics
   QUT (Australia)

5. January - February 2009: Traching Visitor
   Department of Statistics
   Universidade Federal do Rio Grande do Norte (Brazil)

6. January - February 2007: Visiting Researcher
   Department of Statistics
   Universidad Rey Juan Carlos (Spain)

7. January - February 2005: Visiting Researcher
   Department of Statistics
   ITAM (Mexico)

8. February - April 2002: Visiting Faculty
   Department of Statistics
   University of Connecticut

9. March and July 2001: Visiting Research Fellow
   Department of Statistics and Operation Research
   University of Lisbon

10. October 2000: Visiting Lecturer
    Department of Statistics
    Universidade Federal de Minas Gerais, Brazil

11. February 1997: Visiting Lecturer
    Department of Mathematics
    Universidade de Brasília, Brazil

12. May 1996: Visiting Research Fellow
    Institute of Statistics
    University of Munich, Germany

13. February 1996: Visiting Research Fellow
    Department of Mathematics
    Imperial College London, UK

14. January - February 1995: Visiting Lecturer
    Department of Statistics
    Universidade Federal de Pernambuco, Brazil

15. January - March 1994: Visiting Lecturer
    Department of Statistical Science
    University College London, UK

16. January - March 1992: Visiting Lecturer
    Institute of Statistics and Decison Sciences
    Duke University, USA

17. February - July 1990: Visiting Research Fellow
    Department of Mathematics
    University of Rome II, Italy

18. August - November 1989: Visiting Lecturer
    Instituto de Matemática Pura e Aplicada (IMPA)
    Rio de Janeiro, Brazil

19. January - February 1989: Visiting Lecturer
    Institute of Mathematics and Statistics
    Universidade de São Paulo, Brazil

4 Papers

1. GONCALVES, F. B. and GAMERMAN, D. (2018). Exact Bayesian inference in spatio-temporal Cox processes driven by multivariate Gaussian processes. *Journal of the Royal Statistical Society: Series B*, **80**, 157-175.

2. CUNHA, G. M., GAMERMAN, D., FUENTES, M. and PAEZ, M. S. (2017). A non-stationary spatial model for temperature interpolation

applied to the state of Rio de Janeiro. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, **66**, 919-939.

3. SANTOS, T. R., GAMERMAN, D. e FRANCO, G. C. (2017). Reliability analysis via non-Gaussian state-space models. *IEEE Transactions on Reliability*, **66**, 309-318.

4. NASCIMENTO, F. F., GAMERMAN, D. and LOPES, H. F. (2016). Time varying extreme pattern with dynamic models. *Test*, **25**, 131-149.

5. NASCIMENTO, F. F., GAMERMAN, D. and DAVIS, R. (2016). A Bayesian semi-parametric approach to extreme regime identification. *Brazilian Journal of Probability and Statistics*, **40**, 540-561.

6. RODRIGUES, E., GAMERMAN, D., TARUMOTO, M. and TZINTZUN, G. (2015). A non-homogeneous Poisson model with spatial anisotropy applied to ozone data from Mexico City. *Environmental and Ecological Statistics*, **22**, 393-422.

7. PINTO Jr, J. A., GAMERMAN, D., PAEZ, M. S. and ALVES, R. H. F. (2015). Point pattern analysis with spatially varying covariate effects, applied to the study of cerebrovascular deaths. *Statistics in Medicine*, **34**, 1214-1226.

8. FERREIRA, G. S. and GAMERMAN, D. (2015). Optimal Design in Geostatistics under Preferential Sampling (with discussion). *Bayesian Analysis*, **10**, 711-758.

9. CASTRO MORALES, F. E., GAMERMAN, D. and PAEZ, M. S. (2013). State space models with spatial deformation. *Environmental and Ecological Statistics*, **20**, 191-214.

10. GONCALVES, F. B., GAMERMAN, D. and SOARES, T. M. (2013). Simultaneous Multifactor DIF Analysis and Detection in Item Response Theory. *Computational Statistics & Data Analysis*, **59**, 144-160.

11. REIS, E. A., GAMERMAN, D., PAEZ, M. S. and MARTINS, T. G. (2013). Bayesian dynamic models for space-time point processes. *Computational Statistics & Data Analysis*, **60**, 146-156.

12. GAMERMAN, D., SANTOS, T. R. and FRANCO, G. C. (2013). A non-Gaussian family of state-space models with exact marginal likelihood. *Journal of Time Series Analysis*, **35**, 625-645.

13. IPPOLITI, L., VALENTINI, P. and GAMERMAN, D. (2012). Space-Time Modelling of Coupled Spatio-Temporal Environmental Variables. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, **61**, 175-200.

14. NASCIMENTO, F. F., GAMERMAN, D. and LOPES, H. F. (2012). A semiparametric Bayesian approach to extreme value estimation. *Statistics and Computing*, **22**, 661-675.

15. CABRAS, S., CASTELLANOS, M. E. and GAMERMAN, D. (2011). A default Bayesian approach for regression on extremes. *Statistical Modelling*, **11**, 557-580.

16. NASCIMENTO, F. F., GAMERMAN, D. and LOPES, H. F. (2011). Regression models for exceedance data via the full likelihood. *Environmental and Ecological Statistics*, **18**, 495-512.

17. LOPES, H. F., GAMERMAN, D. and SALAZAR, E. (2011). Generalized spatial dynamic factor models. *Computational Statistics & Data Analysis*, **55**, 1319-1330.

18. ALVES, M. B., GAMERMAN, D. and FERREIRA, M. A. R. (2010). Transfer functions in dynamic generalized linear models. *Statistical Modelling*, **10**, 3-40.

19. QUIRÓS, A., MONTES, R. and GAMERMAN, D. (2010). Bayesian spatiotemporal model of fMRI data. *NeuroImage*, **49**, 442-456.

20. SANTOS, T. R., FRANCO, G. C. and GAMERMAN, D. (2010). Comparison of classical and Bayesian approaches for intervention analysis. *International Statistical Review*, **78**, 218-239.

21. SOARES, T. M., GONCALVES, F. B. and GAMERMAN, D. (2009). An Integrated Bayesian Model for DIF Analysis. *Journal of Educational and Behavioral Statistics*, **34**, 348-377.

22. MAYRINK, V. D. and GAMERMAN, D. (2009). On computational aspects of Bayesian spatial models: influence of the neighboring structure in the efficiency of MCMC algorithms. *Computational Statistics*, **24**, 641-669.

23. PAEZ, M. S., GAMERMAN, D., LANDIM, F. M. P. F. and SALAZAR, E. (2008). Spatially varying dynamic coefficient models. *Journal of Statistical Planning and Inference*, **138**, 1038-1058.

24. LOPES, H. F., SALAZAR, E. and GAMERMAN, D. (2008). Spatial dynamic factor analysis. *Bayesian Analysis*, **3**, 759-792.

25. KIM, S. D., CHEN, M.-H., DEY, D. K. and GAMERMAN, D. (2007). Bayesian Dynamic Models for Survival Data with a Cure Fraction. *Lifetime Data Analysis*, **13**, 17-35.

26. PACIORNIK, S., YALLOUZ, A. Y., CAMPOS, R. C. and GAMERMAN, D., (2006). Scanner image analysis in the quantification of mercury using spot-tests. *Journal of the Brazilian Chemical Society*, **17**, 156-161.

27. GAMERMAN, D., SALAZAR, E. and REIS, E. A. (2006). Dynamic Gaussian process priors, with applications to the analysis of space-time data (with discussion). In *Bayesian Statistics 8*, (eds. J. M. Bernardo et al.) University Press: Oxford.

28. REIS, E. A., SALAZAR, E. and GAMERMAN, D. (2006). Comparison of sampling schemes for dynamic linear models. *International Statistical Review*, **74**, 203-214.

29. MIGON, H. S., GAMERMAN, D., LOPES, H. F. and FERREIRA, M. A. R. (2005). Dynamic models. *Handbook of Statistics, vol. 25* (eds.: Rao, C. R. and Dey, D. K.), pp. 553-588.

30. PAEZ, M. S., GAMERMAN, D. and de OLIVEIRA, V. (2005). Interpolation Performance of a Spatio-temporal Model with Spatially Varying Coefficients: Application to PM10 Concentrations in Rio de Janeiro. *Environmental and Ecological Statistics*, **12**, 169-193.

31. CEPEDA, E. and GAMERMAN, D. (2005). Bayesian methodology for modeling parameters in the two parameter exponential family. To appear in *Estadística*.

32. BANERJEE, S., GELFAND, A. E. and GAMERMAN, D. (2005). Spatial process modelling for univariate and multivariate dynamic spatial data. *Environmetrics*, **16**, 465-479.

33. BEHRENS, C. N., LOPES, H. F. and GAMERMAN, D. (2004). Bayesian analysis of extreme events with threshold estimation. *Statistical Modeling*, **4**, 227-244.

34. CEPEDA, E. and GAMERMAN, D. (2004). Bayesian modeling of joint regressions for the mean and covariance matrix. *Biometrical Journal*, **46**, 430-440.

35. MOREIRA, A. R. B. and GAMERMAN, D. (2004). Multivariate spatial regression models. *Journal of Multivariate Analysis*, **91**, 262-281.

36. PAEZ, M. S. and GAMERMAN, D. (2003). Study of the space-time effects in the concentration of airborne pollutants in the Metropolitan Region of Rio de Janeiro. *Environmetrics*, **14**, 387-408.

37. GAMERMAN, D., MOREIRA, A. R. B. and RUE, H. (2003) Space-varying regression models: specifications and simulation. *Computational Statistics and Data Analysis*, **42**, 513-533.

38. DIAS, R. and GAMERMAN, D. (2002). Bayesian approach to hybrid splines nonparametric regression. *Journal of Statistical Computation and Simulation*, **72**, 285-297.

39. GAMERMAN, D. and MOREIRA, A. R. B. (2002). Bayesian analysis of econometric time series models using hybrid integration rules. *Communications in Statistics - Thoery and Methods*, **31**, 49-72.

40. GAMERMAN, D. (2001). Dynamic point processes. In *Encyclopedia of Econometrics, vol. 3* (eds.: El-Shaarawi, A. H. e Piegorsch, W. W.), pp. 1570-1571. Wiley: Chichester.

41. CAMARGO, E. A. and GAMERMAN, D. (2000). Discrete mixture alternatives to dynamic hierarchical models. *Estadística*, **52**, 39-77.

42. CEPEDA, E. C. and GAMERMAN, D. (2000). Bayesian modeling of variance heterogeneity in normal regression models. *Brazilian Journal of Probability and Statistics (REBRAPE)*, **14**, 207-221.

43. LANDIM, F. M. P. F. and GAMERMAN, D. (2000). Dynamic hierarchical models - an extension to matricvariate observations. *Computational Statistics and Data Analysis*, **35**, 11-47..

44. FERREIRA, M. A. R. and GAMERMAN, D. (2000). Dynamic generalized linear models. In *Generalized linear models: a Bayesian perspective* (eds. D. K. Dey et al.), pp. 57-72. Marcel Dekker: New York.

45. SCHMIDT, A. M., GAMERMAN, D. and MOREIRA, A. R. B. (1999). An adaptive resampling scheme for cycle estimation. *Journal of Applied Statistics*, **26**, 619-641.

46. GAMERMAN, D. (1998). Markov chain Monte Carlo for dynamic generalized linear models. *Biometrika*, **85**, 215-227.

47. FERREIRA, M. A. R., GAMERMAN, D. and MIGON, H. S. (1997). Bayesian dynamic hierarchical models: covariance matrices estimation and non-normality. *Brazilian Journal of Probability and Statistics (REBRAPE)*, **11**, 67-79.

48. SCHMIDT, A. M. and GAMERMAN, D. (1997). Temporal aggregation in dynamic linear models. *Journal of Forecasting*, **16**, 295-310.

49. GAMERMAN, D. (1997). Sampling from the posterior distribution in generalized linear mixed models. *Statistics and Computing*, **7**, 57-68.

50. GAMERMAN, D. and SMITH, A. F. M. (1996). Bayesian analysis of longitudinal data studies. In *Bayesian Statistics 5* (eds. J. M. Bernardo et al.), pp. 587-598. University Press: Oxford.

51. EHLERS, R. S. and GAMERMAN, D. (1996). Analytic approximations for dynamic non-linear models. *Brazilian Journal of Probability and Statistics (REBRAPE)*, **10**, 87-101.

52. GAMERMAN, D. (1994). Bayes estimation of the piece-wise exponential distribution. *IEEE Transaction on Reliability*, **42**, 128-131.

53. MIGON, H. S. and GAMERMAN, D. (1993). Generalized exponential growth models - a Bayesian approach. *Journal of Forecasting*, **12**, 573-584.

54. GAMERMAN, D. and MIGON, H. S. (1993). Dynamic hierarchical models. *Journal of the Royal Statistical Society, Series B*, **55**, 629-642.

55. GAMERMAN, D. (1992). A dynamic approach to the statistical analysis of point processes. *Biometrika*, **79**, 39-50.

56. GAMERMAN, D. and MIGON, H. S. (1991). Forecasting the number of AIDS cases in Brazil. *The Statistician*, **40**, 427-442.

57. GAMERMAN, D. and MIGON, H. S. (1991). Tractors in Spain: a dynamic reanalysis. *Journal of the Operational Research Society*, **42**, 119-124.

58. GAMERMAN, D. (1991). Dynamic Bayesian models for survival data. *Applied Statistics*, **40**, 63-79.

59. GAMERMAN, D. and WEST, M. (1987). An application of dynamic survival models in unemployment studies. *The Statistician*, **36**, 269-274.

60. GAMERMAN, D. (1987). Dynamic inference for survival functions. *Probability and Bayesian Statistics* (ed. R. Viertl), pp. 183-192. Plenum: New York.

5 Books

1. *Statistical Inference: an Integrated Approach*. (with H. S. Migon). 2nd edition (also with F. Louzada). Chapman & Hall: Boca Raton. 367 pages. 2014.

2. *Markov Chain Monte Carlo: Stochastic Simulation for Bayesian Inference*. 2nd. edition (with H. F. Lopes). Chapman & Hall: London. 323 pages. 2006.

3. *Statistical Inference: an Integrated Approach*. (with H. S. Migon). Edward Arnold: London. 260 pages. 1999.

4. *Markov Chain Monte Carlo: Stochastic Simulation for Bayesian Inference*. Chapman & Hall: London. 245 pages. 1997.

6 Books Chapters

1. GAMERMAN, D., GONCALVES, F. B. and SOARES, T. M. (2018). Differential Item Functioning. In: Wim J. van der Linden. (Org.). *Handbook of Item Response Theory, Volume Three: Applications*. Boca Raton: Chapman & Hall,pp. 67-86.

2. GAMERMAN, D., ABANTO-VALLE, C. A., SILVA, R. S. and MARTINS, T. G. (2016). Dynamic Bayesian Models for Discrete-Valued Time Series. In: Richard A. Davis; Scott H. Holan; Robert Lund; Nalini Ravishanker. (Org.). *Handbook of Discrete-Valued Time Series*. Boca Raton: Chapman & Hall/CRC, pp. 165-186.

3. GAMERMAN, D. and SALAZAR, E. (2013). Hierarchical modeling in time series: the factor analytic approach. In: Paul Damien, Petros Dellaportos, Nicholas G. Polson e David A. Stephens. (Org.). *Bayesian Theory and Applications*. Oxford: Oxford University Press, pp. 167-182.

4. PAEZ, M. S. and GAMERMAN, D. (2013). Hierarchical Dynamic Models. In: Marc A. Scott; Jeffrey S. Simonoff; Brian D. Marx. (Org.). *The SAGE Handbook of Multilevel Modeling*. Londres: SAGE, pp. 335-355.

5. GAMERMAN, D. (2010). Dynamic Spatial Models Including Spatial Time Series. In: Alan E. Gelfand, A. E., Diggle, P., Guttorp, P. e Fuentes, M.. (Org.). Handbook of Spatial Statistics. Boca Raton: CRC / Chapman & Hall, pp. 437-448.

6. GAMERMAN, D., SOARES, T. M. and GONCALVES, F. B. (2010). Bayesian analysis in Item Response Theory applied to a large-scale educational assessment. In: Anthony O' Hagan; Mike West. (Org.). *The Oxford Handbook of Applied Bayesian Analysis*. Oxford: Oxford University Press, pp. 624-652.

7. GAMERMAN, D., SALAZAR, E. and REIS, E. A. (2007). Dynamic Gaussian Process Priors, with Applications to The Analysis of Spacetime Data (with discussion). In: Bernardo, J. M.; Bayarri, M. J.; Berger, J. O.; Dawid, A. P.; Heckerman, D.; Smith, A. F. M.; West, M.. (Org.). *Bayesian Statistics*. Oxford: Oxford Univeristy Press, vol. 8, pp. 149-174.

8. MIGON, H. S., GAMERMAN, D., LOPES, H. F. and FERREIRA, M. A. R. (2005). Dynamic models. In: C. R. Rao; Dipak K. Dey. (Org.). *Handbook of Statistics - Bayesian Statistics: Modeling and Computation*. Amsterdam: Elsevier, vol. 25, pp. 553-588.

9. GAMERMAN, D. (2001). Dynamic point processes. In: Abdel H. El-Shaarawi; Walter W. Piegorsch. (Org.). *Encyclopedia of Environmetrics*. Chichester: Wiley, vol. 3, pp. 1570-1571.

10. FERREIRA, M. A. R. and GAMERMAN, D. . Dynamic Generalized Linear Models. In: Sujit Ghosh; Dipak Dey; Bani Mallick. (Org.). Generalized Linear Models: a Bayesian Perspective. New York: Marcel Dekker, 2000, v. , p. 57-71.

11. GAMERMAN, D. and SMITH, A. F. M. (1996). Bayesian analysis of longitudinal data studies. In: J. M. Bernardo; J. O. Berger; A. P. Dawid; A. F. M. Smith. (Org.). Bayesian Statistics. Oxford: Oxford University Press, vol. 5, pp. 587-597.

12. GAMERMAN, D. (1987). Probability and Bayesian Statistics. In: R. Viertl. (Org.). *Probability and Bayesian Statistics*. New York: Plenum Publishing Corporation, vol. 1, pp. 183-192.

7 Published Discussion

1. GAMERMAN, D. (2018). Invited discussion to Computationally efficient multivariate spatio-temporal models for high-dimensional count-valued data, by J. R. Bradley, S. H. Holan and C. K. Wikle. *Bayesian Analysis*, **13**, 298-301.

2. GAMERMAN, D. (2000). Discussion to Time series analysis of non-Gaussian observations based on state-space models from both classical and Bayesian perspectives. *Journal of the Royal Statistical Society, Series B*, **62**, 44.

3. GAMERMAN, D. and MOREIRA, A. R. B. (1999). Discussion to Time varying covariances: a factor stochastic volatility approach by Michael Pitt and Neil Shephard. *Bayesian Statistics 6* (eds. J. M. Bernardo et al.) University Press: Oxford.

4. GAMERMAN, D. (1996). Discussion to Some statistical issues in palæoclimatology by Mike West. In *Bayesian Statistics 5* (eds. J. M. Bernardo et al.), pp. 481-483. University Press: Oxford.

5. GAMERMAN, D. (1993). Discussion to Varying-coefficient models by T. Hastie and R. Tibshirani. *Journal of the Royal Statistical Society, Series B*.

8 International conference talks

1. `Bayesian inference for spatiotemporal point processes`
   Invited session on *Bayesian Approaches to the Analysis of Point Patterns* at *International Society for Bayesian Analysis World Meeting*, 2018, Edinburgh, UK.

2. `Generalized latent VARMAX models and dynamic structural equations, with application to the study of the effect of pollution on health`
   Invited session on *Novel Bayesian Approaches* at *61st International Statistical Institute World Congress*, 2017, Marrakesh, Marroco.

3. `A generalized spatio-temporal structural equation model to estimate the short-term health effects of air pollution on human health`
   Workshop Statistical Modeling of the Environment, 2016, Pescara, Italy.

4. `Time-varying extreme pattern with dynamic models`
   3rd Athens Meeting on Statistics, 2015, Atenhs, Greece.

5. Space-Time Modelling of Coupled Spatio-Temporal Environmental Variables
   Modern Spatial Statistics Conference: In honour of Julian Besag, 2011, Brisbane, Australia

6. Dynamic Gaussian Process Priors, with Applications to the Analysis of Space-time Data
   8th International Valencia Meeting on Bayesian Statistics, 2006, Benidorm, Espanha

7. Dynamic spatial models.
   Opening Lecture of the World Meeting of International Society for Bayesian Analysis. Viña del Mar, Chile, 2004.

8. Forecasting with latent space-time models. Invited talk at the Bayesian Forecating session of the 23rd. International Symposium on Forecasting. Mérida, México, 2003.

9. A latent approach to the statistical analysis of space-time data. Invited talk at the 17th International Workshop on Statistical Modeling. Chania, Grécia. 2002. Published on the Proceedings of the Meeting, pp. 1-15.

10. Study of the space-time effects in the concentration of airborne pollutants in the Metropolitan Region of Rio de Janeiro. Advanced Workshop on Environmental Sampling and Monitoring. Lisbon, Portugal. 2001 (with M. S. Paez).

11. Space-varying regression models: specifications and simulation. First European Conference on Spatial and Computational Statistics. Ambleside, UK. 2000 (with A. R. B. Moreira e H. Rue).

12. An adaptive resampling scheme for cycle estimation. VI Valencia International Meeting on Bayesian Statistics. Valencia, Spain. 1998 (with A. M. Schmidt e A. R. B. Moreira).

13. Doubly dynamic models. Seminar on Simulation-based Likelihood Inference for Time Dependence Models in Econometrics and Other Fields. Oxford, UK. 1996.

14. Efficient sampling from the posterior distribution in generalized linear mixed models. 50th Session of the International Statistical Institute. Beijing, China. 1995.

15. `Bayesian analysis of longitudinal data studies`. Fifth Valencia International Meeting on Bayesian Statistics. Valencia, Spain. 1994 (with A. F. M. Smith).

16. `Hierarchical modeling in matricvariate settings`. International Workshop on Hierarchical Modeling. Rio de Janeiro. 1993 (with F. M. P. F. Landim).

17. `An application of dynamic hierarchical models to forecasting exports`. 1^{st} Riverboat Conference on Bayesian Statistics and Econometrics. Switzerland/Germany. 1993.

18. `Multivariate trend models`. Latin America-U.S. Course and Workshop on Recent Advances on Bayesian Statistics and Econometrics. Caracas, Venezuela. 1992.

19. `Evaluating academic performance with hierarchical models`. Third International Conference on Practical Bayesian Statistics. Nottingham, UK. 1992.

20. `Bayesian forecasting with non-linear models`. Brazil-U.S. Workshop on Bayesian Statistics and Econometrics. Rio de Janeiro, Brazil. 1990 (with H. S. Migon).

21. `A dynamic approach to the statistical analysis of point processes`. Brazil-U.S. Workshop on Bayesian Statistics and Econometrics. Rio de Janeiro, Brazil. 1990.

22. `Forecasting the number of AIDS cases in Brazil`. IX International Symposium on Forecasting. Vancouver, Canada. 1989 (with H. S. Migon).

23. `Switching models in survival analysis`. XIV International Biometric Conference, Namur, Belgium. 1988.

24. `Dynamic inference on survival functions`. International Symposium on Probability and Bayesian Statistics. Innsbruck, Austria. 1986.

25. `Non-proportionality of hazards: a time series application to unemployment studies`. International Conference on Practical Bayesian Statistics. Cambridge, UK. 1986 (with M. West).

9 Invited Seminars

- Seminars on dynamic models for survival data at University of Rome I and University of Rome II (April 1987), Institute Marie Curie, Paris (May 1993) and many research institutions in Brazil (1988 to 1990).
- Conferences on dynamic models and applications at many Statistics and Econometrics meetings in Brazil (1988 to 1989).
- Seminars on dynamic models for point processes at University of Rome I (April 1990) and Duke University (January 1992).
- Seminars on dynamic hierarchical models and applications at a Washington Statistical Society meeting (February 1992), University of London seminar (February 1994) and University of Oxford (May 1994).
- Seminars on generalized linear models at University of Bath (October 1994) and Imperial College (October 1994).
- Seminars on simulation for dynamic models
  Munich (May 1996), Lancaster (January 2000), Trondheim (February 2000) and many research institutions in Brazil (1996 to 1997).
- Seminars on epidemiologic time series
  Johns Hopkins (Jan 1999), Munich (May 1999), Lisbon (March 2001) and many research institutions in Brazil (1998 to 1999).
- Seminars on space-time models
  UNAM (June 2003), Bogotá (September 2004)

10 Supervision of graduate students

Ph.D. students: Jony A. Pinto Jr (2014), Gustavo S. Ferreira (2013), Fidel E. C. Morales (2010), Geraldo M. Cunha (2009), Fernando F. Nascimento (2009), Esther Salazar (2008), Edna A. Reis (2008), Mariane B. Alves (2006), Marina S. Paez (2004), Cibele N. B. Assunção (2004), Teresa Cristina M. Dias (2002), Edilberto C. Cepeda (2001), Flavia M. P. F. Landim (1998) and Eliane A. Camargo (1998).
M.Sc. students: Jesus E. G. Unsihuay (2016), Camila M. C. Resende (2011), Thiago G. Martins (2010), Vera L. F. Santos (2009), Flávio B. Gonçalves (2006), Vinícius D. Mayrink (2006), Gustavo S. Ferreira (2004), Leonardo S. Bastos (2003), Alexandre R. Santos (2002), Marina S. Paez (2000), Lilia C. C Costa (2000), Mariane B. Alves (1999), Alcione M. Santos (1996), Alexandra

Mello Schmidt (1996), Adriana Barbosa da Silva (1996), Ricardo S. Ehlers (1993), Monica M. F. Magnanini (1993), Nilo K. Chagas (1991) and Neli M. C. Matos (1991).

11 Other activities

1. Associate Editor of International Statistical Review. From 2017.
2. Associate Editor of Environmetrics. From 2012.
3. Associate Editor of Statistical Modeling: an International Journal. From 2004.
4. Associate Editor of REVSTAT (Portuguese Journal of Statistics). From 2002 to 2017.
5. Associate Editor of REBRAPE (Brazilian Journal of Probability and Statistics) and Statistical Modelling. From 2000.
6. Elected member of the Board of ISBA (International Society for Bayesian Analysis). From 1999 to 2002.
7. Elected member of the Board of ABE (Brazilian Statistical Association). From 1998 to 2002.
8. Organizer of the International Workshop on Hierarchical Modeling. 1993.
9. Organizer and Member of the Organizing Committee of a number of Brazilian Statistical meetings.
10. Invited discussant for the Fifth and Sixth International Valencia Meetings on Bayesian Statistics. 1994 and 1998.
11. Director of Postgraduate Studies in Statistics at UFRJ. 1995 to 1998 and 1999 until now.
12. Member of the Bernoulli Society, ISBA, ABE (Brazilian Statistical Association) and Royal Statistical Society.
13. Referee for a number of statistical and related areas journals.

Rio de Janeiro, 29 August 2018.