Curriculum Vitae
Marco Minozzo

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Born on the 15th of July 1964 in Legnago (Verona, Italy).

1. ACADEMIC POSITIONS

From the 1st of November 2006, Associate Professor of Statistics at the Department of Economics, and at the Faculty of Economics, of the University of Verona. From the 1st of October 2009, also at "Polo Scientifico Didattico Studi sull'Impresa" of Vicenza (Italy).

From the 5th of October 1997 to the 31st of October 2006, University Researcher in Statistics at the Department of Economics, Finance and Statistics, and at the Faculty of Economics, of the University of Perugia (Italy).

2. EDUCATION AND SCHOLARSHIPS

Degree in Statistics and Economics (110/110 with honors) from the University of Padova, Italy, on the 14th of March 1991 with a thesis on the exact likelihood function of some models for normal time series (supervisor Prof. A. Azzalini).

Scholarship from the "Istituto Postelegrafonici" (Roma, Italy) in 1991 for research at the Department of Statistical Science, University College London (London, UK).

Scholarship from the University of Padova (Padova, Italy) in 1991/1992 for research at the Department of Statistical Science, University College London (London, UK).

Doctor of Philosophy (Ph.D.) in Statistical Science from the Department of Statistical Science of University College London (of the University of London, UK) on the 20th of March 1996, with a Thesis titled "On some aspects of the prequential and algorithmic approaches to probability and statistical theory" (supervisor Prof. A. P. Dawid).

Research grant from the "Consiglio Nazionale delle Ricerche" (Roma, Italy) for the academic year 1996/1997 for research at the Department of Statistics of the London School of Economics and Political Science, University of London (London, UK).

3. TEACHING ACTIVITY IN UNDERGRADUATE AND GRADUATE COURSES

From the academic year 1996/1997 to present, teaching of descriptive and inferential statistics, probability, time series analysis, forecasting, in undergraduate course at the London School of Economics and Political Science (UK), University of Perugia (Italy) and University of Verona (Italy).

From the academic year 2002/2003 to present, teaching of probability theory, stochastic processes, decision theory, at the University of Perugia (Italy) and at the University of Verona (Italy).

From the academic year 1998/1999 to present, teaching activity in many masters and professional programs.

4. ACTIVITY IN PHD PROGRAMS

From the academic year 1997/1998, teaching of probability theory and stochastic processes in the Ph.D. programs of the University of Perugia (Italy) and of the University of Verona (Italy).

Ph.D. Thesis Supervisor of Silvia Centanni (Thesis title: "Nonlinear Filtering and Option Pricing Using Reversibile Jump MCMC in a Model for High Frequency Data", A.A. 2002/2003, University of Perugia).

Ph.D. Thesis Supervisor of Laura Ferracuti (Thesis title: "Geostatistical Non-Gaussian Factor Models for Multivariate Spatial Data", A.A. 2004/2005, University of Perugia).

Ph.D. Thesis Supervisor of TingTing Peng (Thesis title: "Modeling Multivariate Ultra-High Frequency Financial Data by Monte Carlo Simulation Methods", A.A. 2010/2011, University of Verona).

PhD. Thesis Supervisor of Alain Julio Mbebi (Thesis title: "A Journey Into State-Space Models", A.A. 2016/2017, University of Verona).

5. RESEARCH INTERESTS

Main research interests have been in the foundations of probability and statistics, likelihood inference, Monte Carlo simulation methods, stochastic processes, and in the modelling of temporal and spatial data. In particular, I have been involved in the modelling of multivariate non-Gaussian geostatistical data, using 'Markov chain Monte Carlo' algorithms for the estimation of the parameters and for the construction of prediction maps. In this area, applications have been considered in the investigation of epidemiological, ecological and environmental issues. I have also been involved in the modelling of ultra-high-frequency financial data with doubly stochastic Poisson processes. For these models, filtering, smoothing and estimation of the parameters have been tackled using 'reversible jump Markov chain Monte Carlo' algorithms. Interests have also been on the statistical modelling, under the usual axioms for probability of Kolmogorov, of some fundamental experiments of quantum physics, in particular of the two slits experiment and of the correlation experiments associated to the paradox of Einstein-Podolsky-Rosen and to the Bell inequalities.

6. PUBLICATIONS

[1] M. Minozzo, A. Azzalini (1993). "On the unimodality of the exact likelihood function for normal AR(2) series", *Journal of Time Series Analysis* 14, 497-509, Blackwell, Oxford, ISSN 0143-9782 (print), 1467-9892 (online).

[2] M. Minozzo (1996). "*On Some Aspects of the Prequential and Algorithmic Approaches to Probability and Statistical Theory*", Ph. D. Thesis, University College London, London.

[3] M. Minozzo (1999). "Purely game-theoretic random sequences: I. Strong law of large numbers and law of the iterated logarithm", *Teoriya Veroyatnostei i ee Primeneniya* 44, n. 3, 617-630 (tradotto su *Theory of Probability and Its Applications* 44, n. 3, 511-522 (2000), SIAM, Philadelphia, ISSN 0040-585X (print), 1095-7219 (electronic), http://epubs.siam.org/sam-bin/dbq/article/97776).

[4] M. Minozzo (2000). "Purely game-theoretic random sequences: II. Limiting empirical

distributions and strong central limit theorem", *Teoriya Veroyatnostei i ee Primeneniya* 45, n. 2, 312-327 (tradotto su *Theory of Probability and Its Applications* 45, n. 2, 233-245 (2001), SIAM, Philadelphia, ISSN 0040-585X (print), 1095-7219 (electronic), http://epubs.siam.org/sam-bin/dbq/article/97819).

[5] M. Minozzo (2000). "Bell inequalities and correlation experiments: a purely particle statistical investigation", in *"The Foundations of Quantum Mechanics: Historical Analysis and Open Questions"* (eds. C. Garola, A. Rossi), World Scientific, Singapore, 307-318. ISBN: 981-02-4262-X

[6] M. Minozzo, M. Cossignani, F. Scortecci (2001). "*Osservatorio Regionale Tariffe e Tributi Comunali: Anno 1998*", Regione dell'Umbria, Assessorato al Commercio, 170 pp.

[7] M. Minozzo (2002). "Hierarchical spatial factor models for Poisson count data", *Proceedings of the XLI Conference of the Italian Statistical Society, Milano, 5-7 June 2002*, 103-106, CLEUP, Padova, ISBN 88-7178-589-4.

[8] S. Centanni, M. Minozzo (2002). "Strategie di minimizzazione del rischio in un modello per movimenti infragiornalieri dei prezzi con l'arrivo di notizie rilevanti", *Atti della XXVI Conferenza dell'Associazione per la Matematica Applicata alle Scienze Economiche e Sociali (A.M.A.S.E.S.), Verona, 11-14 settembre 2002*, 149-152, ISBN 88-7975-312-6.

[9] A. Ludovisi, M. Minozzo, P. Pandolfi, M. I. Taticchi (2003). "Multivariate spatial analysis of plankton count data from Lake Trasimeno (Italy)", in (ed. V. Capasso) *"Mathematical Modelling and Computing in Biology and Medicine", Milan Research Centre for Applied and Industrial Mathematics (M.I.R.I.A.M.) Project Series*, 593-599, Esculapio, Milano. ISBN: 88-7488-055-3.

[10] S. Centanni, M. Minozzo (2003). "Minimizzazione del rischio di copertura con informazione parziale mediante algoritmi reversibile jump Markov chain Monte Carlo", *Atti della XXVII Conferenza dell'Associazione per la Matematica Applicata alle Scienze Economiche e Sociali (A.M.A.S.E.S.), Cagliari, 3-6 settembre 2003*, 142-145, CISU Roma, ISBN 88-7975-312-6.

[11] M. Minozzo, D. Fruttini (2004). "Loglinear spatial factor analysis: an application to diabetes mellitus complications", *Environmetrics* 15, 423-434, Wiley, New York, ISSN 1180-4009 (print), 1099-095X (online).

[12] S. Centanni, M. Minozzo (2005). "Strategie di minimizzazione del rischio in un modello per movimenti infragiornalieri dei prezzi con l'arrivo di notizie rilevanti", *Rapporti Scientifici dell'AMASES* 23, 1-14, CUEN, ISBN 887146687X. (Versione estesa del lavoro esposto al XXVI Convegno Annuale A.M.A.S.E.S. (Verona, settembre 2002).)

[13] M. Minozzo, D. Fruttini (2003). "Disease risk mapping: a multivariate geostatistical approach", *Proceedings of the Meeting of the Classification and Data Analysis Group of the Italian Statistical Society (CLADAG 2003), Bologna, 22-24 September 2003*, 273-276.

[14] M. Minozzo (2003). "Modelling geo-referenced categorical data: a multivariate geostatistical approach", *Atti della Riunione Scientifica Intermedia della Società Italiana di Statistica "Analisi Statistica Multivariata per le Scienze Economico-Sociali, le Scienze Naturali e la Tecnologia", Napoli, 9-11 giugno 2003*, 4 pp, RCE Edizioni, Napoli, ISBN 88-8399-053-6.

[15] M. Minozzo, D. Fruttini, M. Iorio (2003). "Un approccio multivariate allo studio della distribuzione geografica del rischio in epidemiologia", *Atti del II Congresso della Società Italiana di Statistica Medica ed Epidemiologia Clinica, Brescia, 1-4 ottobre 2003*, 165-167.

[16] M. Minozzo, S. Centanni (2003). "Nonlinear filtering using reversible jump Markov

chain Monte Carlo in a model for high frequency data", *Atti del Convegno su Modelli Complessi e Metodi Computazionali Intensivi per la Stima e la Previsione, S.Co.2003, Treviso, 4-6 September 2003*, 290-295.

[17] M. Minozzo (2003). "Differenziazioni tariffarie e segmentazioni socio-economiche nelle tariffe e nei tributi locali dei Comuni dell'Umbria", in "*Il Federalismo Fiscale: Prospettive delle Autonomie Locali", Osservatorio Regionale sulla Misurazione e Comparazione dei Costi, Rendimenti, Risultati delle Pubbliche Amministrazioni Locali*, "Nuova Rassegna di Legislazione, Dottrina e Giurisprudenza", Vol. 77, Num. 19-20 del 16/10/2003, Noccioli Editore, Firenze, 2265-2300. ISSN: 1825-2710

[18] M. Minozzo (2003). "Discussion of the paper by Ole E. Barndorff-Nielsen, Richard D. Gill and Peter E. Jupp On quantum statistical inference", *Journal of the Royal Statistical Society Series B* 65, 812, ISSN 1369-7412.

[19] M. Minozzo (2003). "Modeling spatial variation in disease risk: a multivariate geostatistical approach", *Bulletin of the International Statistical Institute, 54th Session, Contributed Papers, Volume LX, Two Books, Book 2, Berlin, 13-20 August 2003*, 59-60.

[20] A. Ludovisi, M. Minozzo, P. Pandolfi, M. I. Taticchi (2005). "Modelling the horizontal spatial structure of planktonic community in Lake Trasimeno (Umbria, Italy) using multivariate geostatistical methods", *Ecological Modelling* 181, 247-262, Elsevier, ISSN 0304-3800.

[21] S. Centanni, M. Minozzo (2004). "Estimation and filtering by reversible jump MCMC for a doubly stochastic Poisson model for ultra-high-frequency financial data", *Abstracts of the II Workshop on Correlated Data Modeling (WCDM), Torino, 9-10 gennaio 2004*, 33-35.

[22] S. Centanni, M. Minozzo (2006). "Estimation and filtering by reversible jump MCMC for a doubly stochastic Poisson model for ultra-high-frequency financial data", *Statistical Modelling* 6, 97-118, Arnold Journals, London, ISSN 1471-082X (print), 1477-0342 (online).

[23] S. Centanni, M. Minozzo (2007). "Estimation and filtering by reversible jump MCMC for a doubly stochastic Poisson model for ultra-high-frequency financial data", in *"Correlated Data Modeling 2004. Scientific Meeting in Honour of Diego de Castro"* (eds. D. Gregori, G. MacKenzie, H. Friedl, R. Corradetti), Franco Angeli Editore, Milano, 20 pp. ISBN 13: 9788846489692

[24] M. Minozzo (2004). "Estimation by stochastic EM in a class of spatial factor models", *Proceedings of the XLII Conference of the Italian Statistical Society, Bari, 9-11 June 2004,* 177-180, CLEUP, Padova, ISBN 88-7178-034-5.

[25] A. Forcina, M. Minozzo, F. Bartolucci (2004). "Marginal models and pruning of association rules", *Atti del convegno "Metodi, Modelli e Tecnologie dell'Informazione a Supporto delle Decisioni", Università del Sannio, Benevento, 24-25 giugno 2004*, 4 pp, ISBN 88-464-7440-6.

[26] S. Centanni, M. Minozzo (2006). "A Monte Carlo approach to filtering for a class of marked doubly stochastic Poisson processes", *Journal of the American Statistical Association*, 101, 1582-1597, ISSN 0162-1459 (print), 1537-274X (online).

[27] S. Centanni, M. Minozzo (2004). "Estimation and filtering by simulation in a model for ultra-high-frequency financial data", *Proceedings of the Bernoulli Society World Conference 2004, Barcellona, 26-31 July 2004*, 79-80.

[28] M. Minozzo, A. Forcina, F. Bartolucci (2006). "Marginal models and pruning of association rules", in *Metodi, Modelli e Tecnologie dell'Informazione a Supporto delle Decisioni*

(eds. P. Aumenta, L. D'Ambra, M. Squillante, A. Ventre), Collana DASES, (MTISD04, Benevento 2004), Franco Angeli Editore, Milano, 473-481, ISBN 9788846474407.

[29] S. Centanni, G. M. Gallo, M. Minozzo, R. Renò (a cura di) (2004). "Programma e Riassunti delle Presentazioni" della *Seconda Giornata di Studio "Dati ad Alta Frequenza: Modelli e Applicazioni", Università degli Studi di Perugia, Perugia, 19 novembre 2004* (http://www.econ-pol.unisi.it/high_frequency), 52 pp.

[30] M. Minozzo (2006). "On the two-slit interference experiment: a statistical discussion", in "*The Foundations of Quantum Mechanics: Historical Analysis and Open Questions*" (eds. C. Garola, A. Rossi, S. Sozzo), World Scientific, Singapore, 248-259 (ISBN 981-256-852-2).

[31] S. Centanni, M. Minozzo, P. Tardelli (2005). "Particle filtering in a class of marked doubly stochastic Poisson processes", *Atti del Convegno su Modelli Complessi e Metodi Computazionali Intensivi per la Stima e la Previsione, S.Co.2005, Bressanone, 15-17 September 2005*, 323-328, Cleup Editrice, Padova.

[32] M. Minozzo, F. Pierri (2005). "Multivariate geostatistical mapping of radioactive contamination in the Maddalena Arcipelago (Sardinia, Italy)", *Atti del Convegno su Modelli Complessi e Metodi Computazionali Intensivi per la Stima e la Previsione, S.Co.2005, Bressanone, 15-17 September 2005*, 145-150, Cleup Editrice, Padova.

[33] M. Minozzo, S. Centanni (2006). "Smoothing, filtering and estimation by Monte Carlo methods for doubly stochastic Poisson processes", *Atti del Convegno Nazionale delle Ricerche sulle Serie Temporali (SER 2006), Villa Mondragone, Monte Porzio Catone, Roma, 18-19 aprile 2006*, 187-190.

[34] S. Centanni, M. Minozzo, P. Tardelli (2006). "A sequential Monte Carlo filter in a class of marked doubly stochastic Poisson processes", *Atti della XXX Conferenza dell'Associazione per la Matematica Applicata alle Scienze Economiche e Sociali (A.M.A.S.E.S.), Trieste, 4-7 settembre 2006*, 4 pp, ISBN 9788890258503.

[35] M. Minozzo, S. Centanni (2008). "Modeling ultra-high-frequency data: the S&P 500 index future", in "*Mathematical and Statistical Methods in Insurance and Finance*" (eds. C. Perna, M. Sibillo), Springer, 165-172. ISBN: 978-88-470-0703-1

[36] S. Centanni, M. Minozzo (2007). "Monte Carlo derivative pricing with partial information in a class of doubly stochastic Poisson processes with marks", *Abstracts of the International Workshop on Computational and Financial Econometrics, University of Geneva, Geneva, 20-22 April 2007*, 10-10.

[37] S. Centanni, M. Minozzo (2007). "Filtering and estimation in models for irregularly spaced financial data", *Book of Abstracts of the III International Workshop on Correlated Data Modeling "Challenges in Modelling Correlated Data", WCDM 2007, University of Limerick, Limerick, 20-22 June 2007* (http://www.ul.ie/wcdm07), 11-13.

[38] F. La Rosa, F. Stracci, T. Cassetti, A. M. Petrinelli, L. Rossi, M. Minozzo, C. Romagnoli, V. Mastrandrea (2007). "*La Geografia del Cancro in Umbria 1978-2003*", Registro Tumori Umbro di Popolazione, Osservatorio Epidemiologico della Regione Umbria, Regione dell'Umbria, Perugia, 51 pp.

[39] F. La Rosa, F. Stracci, T. Cassetti, D. D'Alò, A. Canosa, A. M. Petrinelli, L. Rossi, M. Minozzo, C. Romagnoli (2007). "*La Geografia della Mortalità in Umbria 1978-2005*", Registro Tumori Umbro di Popolazione, Osservatorio Epidemiologico della Regione Umbria, Regione dell'Umbria, Perugia, 112 pp.

[40] S. Centanni, M. Minozzo (2010). "Monte Carlo derivative pricing with partial

information in a class of doubly stochastic Poisson processes with marks", *Working Paper Series, Department of Economics, University of Verona*, ISSN 2036-2919 (print), 2036-4679 (online) (http://leonardo3.dse.univr.it/home/workingpapers/IJTAF-744-r-paper.pdf), 22/2010, 35 pp.

[41] M. Minozzo, L. Ferracuti (2011). "On the existence of some skew normal stationary processes", *Working Paper Series, Department of Economics, University of Verona*, ISSN 2036-2919 (print), 2036-4679 (online), 20/2011, 11 pp. (http://dse.univr.it//workingpapers/MinozzoFerracuti-manuscript-chjs.pdf)

[42] M. Minozzo, C. Ferrari (2011). "Multivariate geostatistical mapping of radioactive contamination in the Maddalena Archipelago (Sardinia, Italy)", *Working Paper Series, Department of Economics, University of Verona*, ISSN 2036-2919 (print), 2036-4679 (online), 21/2011 (http://dse.univr.it//workingpapers/MF-AStA-2011-09-02-submitted.pdf), 17 pp.

[43] M. Minozzo, C. Ferrari (2011). "A hierarchical geostatistical factor model for multivariate Poisson count data", *Working Paper Series, Department of Economics, University of Verona*, ISSN 2036-2919 (print), 2036-4679 (online), 22/2011 (http://dse.univr.it//workingpapers/MF-AOAS-2011-08-21.pdf), 27 pp.

[44] S. Centanni, M. Minozzo, P. Tardelli (2011). "Continuous time filtering for a class of marked doubly stochastic Poisson processes", *Working Paper Series, Department of Economics, University of Verona*, ISSN 2036-2919 (print), 2036-4679 (online), 23/2011, 21 pp. (http://dse.univr.it//workingpapers/CSDA-CMT-particleDSPP-submitted.pdf)

[45] C. Ferrari, M. Minozzo (2011). "Analisi dell'autoefficacia professionale con un modello fattoriale per dati binomiali", in *Il Percorso Formativo dell'Assistente Sociale: Autovalutazione e Benessere Professionale*, (eds. F. Bressan, M. Pedrazza, E. Neve), Collana Politiche e Servizi Sociali, Franco Angeli, Milano, 231-244, ISBN 978-88-568-4461-0

[46] C. Ferrari, M. Minozzo (2011). "Likelihood inference in multivariate model-based geostatistics", *Proceedings of the Conference SPATIAL2, Spatial Data Methods for Environmental and Ecological Processes, 2nd Edition (ed. B. Cafarelli), Foggia, 1-2 September 2011*, 4 pages, ISBN 978-88-96025-12-3.

[47] C. Ferrari, M. Minozzo (2011). "Likelihood inference in binomial factor analysis with the Monte Carlo EM algorithm", *Proceedings of the 7th Conference on Statistical Computation and Complex Systems (SCo) – Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction, Padova, 19-21 September 2011*, 6 pages, ISBN 978-88-6129-753-1.

[48] A. Michelangeli, C. Ferrari, M. Minozzo (2011). "Measuring urban quality of life using multivariate geostatistical models", *Proceedings of the Conference SPATIAL2, Spatial Data Methods for Environmental and Ecological Processes, 2nd Edition (ed. B. Cafarelli), Foggia, 1-2 September 2011*, 4 pages, ISBN 978-88-96025-12-3.

[49] M. Minozzo, S. Centanni (2012). "Monte Carlo likelihood inference for marked doubly stochastic Poisson processes with intensity driven by marked point processes", *Working Paper Series, Department of Economics, University of Verona*, (http://leonardo3.dse.univr.it/home/workingpapers/2012WP11MinozzoCentanniMClik.pdf), ISSN 2036-2919 (print), 2036-4679 (online), 11/2012, 17 pp.

[50] C. Baccarani, V. Mascherpa, M. Minozzo (2012). "Lo zen e il benessere sul posto di lavoro". *Persone & Conoscenze*, 82, 50-55.

[51] S. Centanni, M. Minozzo (2012). "Monte Carlo derivative pricing with partial information in a class of doubly stochastic Poisson processes with marks". *International Journal of Theoretical and Applied Finance*, 15, 22 pages, ISSN 0219-0249 (print), 1793-6322 (online), doi 10.1142/S0219024912500185.

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[53] M. Minozzo, L. Ferracuti (2012). "On the existence of some skew-normal stationary processes". *Chilean Journal of Statistics*, 3, 157-170, ISSN 0718-7912 (print), 0718-7920 (online).

[54] M. Minozzo, C. Ferrari (2013). "Multivariate geostatistical mapping of radioactive contamination in the Maddalena Archipelago (Sardinia, Italy)". *AStA Advances in Statistical Analysis*, 195-213, ISSN 1863-8171 (print), 1863-818X (online), doi 10.1007/s10182-012-0201-x.

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[57] L. Bagnato, M. Minozzo (2013). "A latent variable approach to modelling multivariate geostatistical skew-normal data", Electronic Book "*Advances in Latent Variables*", Eds. E. Brentari, M. Carpita, Vita e Pensiero, Milan, Italy, 6 pages, ISBN 978 88 343 2556 8 (*SIS 2013 Statistical Conference "Advances in Latent Variables: Methods, Models and Applications", Brescia, June 19-21, 2013*).

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[62] F. Brunetti, E. Giaretta, A. Bonfanti, P. Castellani, M. Minozzo, C. Rossato, C. Baccarani (2015). "Exploring relevance in scholarly top journals of management: first steps of a research", *Conference Readings Book Proceedings of the 8th Annual Conference of the EuroMed Academy of Business "Innovation, Entrepreneurship and Sustainable Value Chain in a Dynamic Environment", University of Verona (Italy), September 16-18, 2015*, pp. 472-489.

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[65] G. Cicchitelli, P. D'Urso, M. Minozzo (2018). "*Statistica: principi e metodi*", *terza edizione*. Pearson. ISBN 9788891902788.

7. PRESENTATIONS TO SCIENTIFIC MEETINGS AND CONFERENCES

[1r] M. Minozzo (1993). "Prequential inference", presentation held at the *16th Research Student Conference 1993 (RSC'93), Lancaster University*, Lancaster, 28 March 1993.

[2r] M. Minozzo (1993). "On the prequential probability framework", presentation held for the *Statistical Science Seminar Series (Journal Club), Department of Statistical Science, University College London*, London, 13 December 1993.

[3r] M. Minozzo (1994). "Martingale + algorithms = random sequences", seminario curato per gli studenti del corso di *Ph.D. in Statistical Science*, presso il *Department of Statistical Science, University College London*, London, 10 February 1994.

[4r] M. Minozzo (1994). "A new approach to randomness", poster at the *Graduate Student Poster Exhibition*, University College London, London, 1994.

[5r] M. Minozzo (1996). "Purely particle models for two-slit experiments", lecture at the *4th World Congress of the Bernoulli Society*, Vienna, August 1996.

[6r] M. Minozzo (1996). "TESTFACT versus TWOMISS: a software comparison based on a two-factor probit model", presentation for the research group on the *Analysis of Large and Complex Data Sets (A.L.C.D.)*, London School of Economics and Political Science, London, 1996.

[7r] M. Minozzo (1998). "Modelli basati sul concetto di particella per l'esperimento delle due fenditure in fisica quantistica", seminario presso il *Dipartimento di Scienze Statistiche, Università degli Studi di Perugia*, Perugia, 22 gennaio 1998.

[8r] M. Minozzo (1998). "Diseguaglianze di Bell ed esperimenti di correlazione: un'investigazione statistica puramente particellare", presentation at the conference *I Fondamenti della Meccanica Quantistica: Analisi Storica e Problemi Aperti*, Lecce, 13-16 ottobre 1998, http://www.fisica.unile.it/~gerardi/lecce98/programma.html

[9r] *European Course in Advanced Statistics – Environmental Statistics* (*Spatial Statistics*, 6 hours; *Extreme Value Theory*, 6 hours; *Data-Based Mechanistic Modelling*, 6 hours; *Sensitivity Analysis of Model Output*, 8 hours), Garpenberg, Sweden, 5-10 September 1999, http://mtcd.timone.univ-mrs.fr/ecas/seventh.htm

[10r] M. Minozzo (1999). "Osservatorio Regionale delle Tariffe e dei Tributi Comunali: progetto operativo", presentazione alla Regione dell'Umbria, Assessorato al Commercio, Consulta Regionale per l'Utenza ed il Consumo, http://www.regione.umbria.it/consumatori Salone d'Onore della Giunta Regionale, Perugia, 12 novembre 1999.

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Perugia, 16 febbraio 2000.

[12r] M. Minozzo, A. Ludovisi (2001). “Multivariate analysis of spatial heterogeneity of plankton communities”, presentation at the *Spatial Modelling Theme Conference of the Royal Statistical Society*, Glasgow, 4-6 July 2001, http://www.rss2001.gla.ac.uk

[13r] M. Minozzo (2002). “Hierarchical spatial factor models for Poisson count data”, presentation at the *XLI Conference of the Italian Statistical Society*, Milano, 5-7 June 2002, http://www.dimequant.unimib.it/sis2002

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[17r] S. Centanni, M. Minozzo (2003). “Strategie di minimizzazione del rischio in un modello per movimenti infragiornalieri dei prezzi”, poster presentato al *IV Workshop di Finanza Quantitativa, International Center for Economic Research (ICER), Villa Gualino*, Torino, 30-31 gennaio 2003, http://www.icer.it/workshop

[18r] M. Minozzo (2003). “Differenziazioni tariffarie e segmentazioni socio-economiche nelle tariffe e nei tributi locali dei Comuni dell’Umbria”, presentazione al Convegno *“Il Federalismo Fiscale: Prospettive delle Autonomie Locali”, Osservatorio regionale sulla misurazione e comparazione dei costi, rendimenti, risultati delle pubbliche amministrazioni locali*, Spoleto, 9 maggio 2003, http://www.cal-umbria.it

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http://www.dm.unibo.it/biagini/convegno40.html

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[29r] M. Minozzo (2004). "Estimation by stochastic EM in a class of spatial factor models", presentazione alla *XLII Conference of the Italian Statistical Society*, Bari, June 2004, http://www.sis2004.uniba.it

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[31r] *Advanced Course on Stochastic Control and Applications to Finance (Prof. N. Touzi, CREST, France)*, Satellite Course of the Bernoulli Society World Conference 2004, presso l'Universitat Pompeu Fabra, http://www.imub.ub.es/events/wc2004, Barcellona, 22-24 July 2004.

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[37r] S. Centanni, M. Minozzo, P. Tardelli (2005). "Filtering by simulation in a class of marked doubly stochastic Poisson processes, with application to option pricing", presentazione invitata presso il *SAFE Center, Dipartimento di Scienze Economiche, Università degli Studi di Verona, Palazzo Giusti*, Verona, 8 aprile 2005.

[38r] L. Ferracuti, M. Minozzo (2005). "MCEM estimation for non Gaussian generalized linear mixed models", poster presentato al *European Young Statisticians Training Camp of the 25th European Meeting of Statisticians*, (http://www.ems2005.no) Oslo, 18-23 July 2005.

[39r] L. Ferracuti, M Minozzo (2005). "Likelihood inference for spatial multivariate linear mixed models using stochastic versions of the EM algorithm", presentazione al *25th European Meeting of Statisticians*, (http://www.ems2005.no) Oslo, 24-28 July 2005.

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[43r] M. Minozzo, F. Stracci (2005). "How to demonstrate the significant difference between EVAR and surveillance: the statistician point of view", presentation at the 1st CAESAR (Comparison of surveillance versus Aortic Endografting for Small Aneurysm Repair) Investigators Meeting, Sangallo Palace Hotel, Perugia, 11 novembre 2005, http://www.caesarstudy.com

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Monte Porzio Catone, Roma, 18-19 aprile 2006, http://ser.sta.uniroma1.it/ser2006

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[49r] S. Centanni, M. Minozzo, P. Tardelli (2006). "A sequential Monte Carlo filter in a class of marked doubly stochastic Poisson processes", presentation at the *XXX Conference of the Associazione per la Matematica Applicata alle Scienze Economiche e Sociali*, http://www.amases06.units.it Trieste, 4-7 September 2006.

[50r] M. Minozzo, S. Centanni (2006). "Modeling ultra-high-frequency data: the S&P 500 future index", presentazione al *Convegno su Metodi Matematici e Statistici per le Assicurazioni e la Finanza (MAF 2006)*, Salerno, 11-13 ottobre 2006, http://www.labeconomia.unisa.it/maf2006

[51r] S. Centanni, M. Minozzo (2006). "A sequential particle filter for a class of doubly stochastic Poisson processes", poster presentato al *Workshop on "Recent Advances in Monte Carlo Based Inference", Isaac Newton Institute for Mathematical Sciences, University of Cambridge*, http://www.newton.cam.ac.uk/programmes/SCB/scbw01.html Cambridge, 30 October – 3 November 2006.

[52r] M. Minozzo (2006). "Monte Carlo likelihood inference in multivariate model-based geostatistics", presentazione invitata presso l'*Istituto di Statistica dell'Università Cattolica del Sacro Cuore di Milano*, http://www3.unicatt.it/web/statistica Milano, 14 dicembre 2006.

[53r] M. Minozzo, S. Centanni (2006). "Monte Carlo likelihood inference for marked doubly stochastic Poisson processes", presentazione invitata presso il *SAFE Center, Dipartimento di Scienze Economiche, Università degli Studi di Verona, Palazzo Giusti*, http://www.dse.univr.it/dol/main?ent=seminario&lang=en Verona, 15 dicembre 2006.

[54r] L. Ferracuti, M. Minozzo (2007). "Geostatistical non-Gaussian factor models for multivariate spatial data", invited presentation at the *Royal Statistical Society South West Local Group Meeting*, School of Mathematics and Statistics, University of Plymouth, Plymouth, 8 January 2007.

[55r] S. Centanni, M. Minozzo (2007). "Monte Carlo derivative pricing with partial information in a class of doubly stochastic Poisson processes with marks", presentation at the *International Workshop on Computational and Financial Econometrics*, University of Geneva, http://www.csdassn.org/europe/CFE07 Geneva, 20-22 April 2007.

[56r] M. Minozzo (2007). "Gli algoritmi EM stocastici e le verosimiglianze simulate nei modelli geostatistici fattoriali", presentazione invitata presso il *Dipartimento di Matematica, Politecnico di Milano*, Milano, 10 maggio 2007.

[57r] S. Centanni, M. Minozzo (2007). "Filtering and estimation in models for irregularly spaced financial data", invited presentation at the *III International Workshop on Correlated Data Modeling "Challenges in Modelling Correlated Data", WCDM 2007*, University of Limerick, Limerick, 20-22 June 2007, http://www.ul.ie/wcdm07

[58r] M. Minozzo (2009). "Some Advances in Multivariate Model-Based Geostatistics", presentazione invitata presso il *Dipartimento di Economia, Finanza e Statistica, Università degli Studi di Perugia,* Perugia, 4 dicembre 2009.

[59r] M. Minozzo, S. Centanni, T. Peng (2010). "Filtering and estimation using RJMCMC algorithms for doubly stochastic Poisson processes", presentazione alla *Riunione iniziale del Progetto PRIN 2008 "Approximate Likelihood Methods for High-Dimensional*

Dependencies", Venezia, 26 maggio 2010.

[60r] C. Ferrari, M. Minozzo (2010). "Simulated likelihoods and MCEM algorithms for multivariate non-Gaussian geostatistical models", presentazione alla *Riunione iniziale del Progetto PRIN 2008 "Approximate Likelihood Methods for High-Dimensional Dependencies"*, Venezia, 26 maggio 2010.

[61r] M. Minozzo (2011). "L'uso dei modelli geostatistici multivariati nelle applicazioni ambientali", presentazione invitata alla Giornata di Studio su "*Metodi Statistici per l'Analisi di Dati Spaziali: Casi di Studio e Applicazioni*", Dipartimento di Statistica, Università degli Studi di Milano-Bicocca, Milano, 13 gennaio 2011 http://www.statistica.unimib.it/utenti/borgoni/works2011/Minozzo_Bicocca2011.pdf

[62r] C. Ferrari, M. Minozzo (2011). "The stochastic EM algorithm for non-Gaussian geostatistical factor models", presentazione alla *Riunione intermedia del Progetto PRIN 2008 "Statistical Workshop"*, Verona, 23-25 maggio 2011.

[63r] T. Peng, S. Centanni, M. Minozzo (2011). "Monte Carlo filtering and estimation in a multivariate doubly stochastic Poisson process", presentazione alla *Riunione intermedia del Progetto PRIN 2008 "Statistical Workshop"*, Verona, 23-25 maggio 2011.

[64r] T. Peng, M. Minozzo (2011). "Monte Carlo filtering for some bivariate marked doubly stochastic Poisson processes", presentation at the *First Interdisciplinary Workshop on Mathematical of Filtering and its Applications (MFA2011)*, London, 13-15 July 2011.

[65r] C. Ferrari, M. Minozzo (2011). "Likelihood inference in multivariate model-based geostatistics", presentation at the *Conference SPATIAL2, Spatial Data Methods for Environmental and Ecological Processes, 2nd Edition*, Foggia, 1-2 September 2011, http://old.unifg.it/spatial/proceedings.asp

[66r] A. Michelangeli, C. Ferrari, M. Minozzo (2011). "Measuring urban quality of life using multivariate geostatistical models", poster presented at the *Conference SPATIAL2, Spatial Data Methods for Environmental and Ecological Processes, 2nd Edition*, Foggia, 1-2 September 2011, http://old.unifg.it/spatial/proceedings.asp

[67r] C. Ferrari, M. Minozzo (2011). "Likelihood inference in binomial factor analysis with the Monte Carlo EM algorithm", presentation at the *7th Conference on Statistical Computation and Complex Systems (SCo) – Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction*, Padova, 19-21 September 2011, http://sco2011.stat.unipd.it

[68r] M. Minozzo, C. Ferrari (2012). "Binomial factor analysis with the Monte Carlo EM algorithm", presentazione al *Workshop SUNOVA (Statistics With Unobservable Variables)*, Brescia, 15 maggio 2012.

[69r] M. Minozzo, C. Ferrari (2012). "Monte Carlo likelihood inference in multivariate model-based geostatistics", presentation (solicited) at the *XLVI Scientific Meeting of the Italian Statistical Society*, Rome, 20-22 June 2012.

[70r] L. Bagnato, M. Minozzo (2012). "A geostatistical latent factor model for skew-normal data", presentazione alla *Riunione finale del Progetto PRIN 2008 "Likelihood, Approximate Likelihood, and Nonparametric Statistical Methods for Complex Applications"*, Venezia, 8-9 ottobre 2012.

[71r] S. Centanni, M. Minozzo, I. Oliva (2012). "Filtering, smoothing and estimation for a class of marked doubly stochastic Poisson processes". Invited presentation at the *2nd International Conference on "Stochastic Modelling and Simulation" ICSMS*, Chennai,

India, 17-19 December 2012.

[72r] S. Centanni, M. Minozzo (2012). "Monte Carlo derivative pricing with partial information in a class of DSPP with marks". Invited presentation at the *ICMMA*, Annamalai University, India, 23-24 December 2012.

[73r] L. Bagnato, M. Minozzo (2013). "A latent variable approach to modelling multivariate geostatistical skew-normal data", presentation (solicited) at the *SIS 2013 Statistical Conference "Advances in Latent Variables: Methods, Models and Applications"*, Brescia, June 19-21, 2013.

[74r] S. Centanni, M. Minozzo (2013). "Likelihood inference for marked DSPPs with intensity driven by latent MPPs", presentation (solicited) at the *SIS 2013 Statistical Conference "Advances in Latent Variables: Methods, Models and Applications"*, Brescia, June 19-21, 2013.

[75r] L. Bagnato, M. Minozzo (2014). "A model-based geostatistical approach for skewed radioactivity data", presentation at the *10th Conference on Geostatistics for Environmental Applications (geoENV2014)*, Paris, Presses des mines, 9-11 July 2014.

[76r] F. Brunetti, E. Giaretta, A. Bonfanti, P. Castellani, M. Minozzo, C. Rossato, C. Baccarani (2015). "Exploring relevance in scholarly top journals of management: first steps of a research", presentation at the *8th Annual Conference of the EuroMed Academy of Business "Innovation, Entrepreneurship and Sustainable Value Chain in a Dynamic Environment"*, University of Verona (Italy), September 16-18, 2015.

[77r] E. Giaretta, F. Brunetti, M. Minozzo, C. Rossato, P. Castellani, C. Baccarani, A. Bonfanti (2015). "Scholarly management journals: are they relevant for practitioners? Results of a pilot study", presentation at the *18th Toulon-Verona International Conference "Excellence in Services"*, Castello Utveggio, Palermo (Italy), August 31 - September 1, 2015.

8. ACTIVITY AS A REFEREE

IPMU 2004, Information Processing and Management of Uncertainty in Knowledge-Based Systems, Perugia, July 2004;

COMPSTAT 2004, 16th Symposium of the International Association for Statistical Computing (IASC), Prague, August 2004;

Science Quality and Priorities Team del *Department for Environment, Food and Rural Affairs – DEFRA*, London, United Kingdom;

Shota Rustaveli National Science Foundation (*SRNSF*) (from September 2011);

MIUR (Italy) for the calls *PRIN 2009*, *FIRB 2012*, *FIRB 2013*;

MIUR relativamente alla valutazione VQR 2011-2014;

AStA – Advances in Statistical Analysis, Springer;

Bayesian Analysis, International Society for Bayesian Analysis;

Chilean Journal of Statistics, Chilean Statistical Society (Sociedad Chilena de Estadistica);

EJASA – Electronic Journal of Applied Statistical Analysis, ISSN 2070-5948 (online);

IEEE's Transactions on Information Theory, IEEE Information Theory Society;

IEEE's Transactions on Knowledge and Data Engineering, IEEE Computer Society;

METRON - International Journal of Statistics, Dipartimento di Statistica, Probabilità e Statistiche Applicate, Università degli Studi di Roma "La Sapienza";

Journal of Computational and Graphical Statistics (JCGS), American Statistical Association;

Journal of Multivariate Analysis, Elsevier;

Journal of Statistical Computation and Simulation (JSCS), Taylor and Francis;

Mathematical Finance, Wiley;

Statistics and Computing, Springer;

Statistical Methods & Applications (SMA), Journal of the Italian Statistical Society;

Stochastic Environmental Research and Risk Assessment (*SERRA*), Springer;

TEST, A Journal of the Spanish Statistical Society;

SIS 2013 Statistica Conference "Advances in Latent Variables: Methods, Models and Applications", Brescia, 19-21 June 2013, discussant and referee of invited papers;

Sinergie, rivista di studi e ricerche, CUEIM Comunicazione (Consorzio Universitario di Economia Industriale e Manageriale), Verona.

9. RESEARCH GRANTS

Involved in various research programs as a member and as a coordinator, and, as scientific advisor in various postdoctoral positions.

Team leader of the University of Verona for the project on "*Verosimiglianze simulate per modelli multidimensionali con componenti latenti o affette da errore*" (PRIN 2008, Italy, National coordinator Prof. Paolo Vidoni).

Scientific Advisor for the post-doctoral grant on "*Classificazione e riduzione della dimensionalità nel caso di grandi basi di dati con struttura di dipendenza spaziale o spazio-temporale*" (Dr. Clarissa Ferrari), from the 1st of February 2010 to the 31st of January 2012.

Team leader of the project "*Analisi e modellizzazione di fenomeni spaziali di particolare interesse per il territorio vicentino*" (from the 1st of July 2010) funded by the "Polo Scientifico Didattico Studi sull'Impresa" (Vicenza) of the University of Verona.

Scientific Advisor for the post-doctoral grant on "*Tecniche di inferenza Monte Carlo basate sulla verosimiglianza per modelli gerarchici per dati geostatistici multivariati non gaussiani*" (Dr. Luca Bagnato), from the 1st of April 2012 to the 31st of March 2013.

Team leader of the project "*Strumenti per la direzione e la finanza d'impresa: nuovi strumenti per il credit scoring e per la gestione del finanziamento alle imprese*" (from 2013) funded by the "Polo Scientifico Didattico Studi sull'Impresa" (Vicenza) of the University of Verona.

10. SCIENTIFIC SOCIETIES

Member of the *Società Italiana di Statistica (S.I.S.)*. Member of the *Bernoulli Society (B.S.) for Mathematical Statistics and Probability*. Member of the *Institute of Mathematical Statistics (I.M.S)*. Regular member of the *International Statistical Institute* (I.S.I.) from 2012. Member of *The International Envisonmetrics Society (T.I.E.S.)* for 2011 and 2012. Member of the *Gruppo di Lavoro sulla "Statistica ambientale, sostenibilità e sicurezza del territorio"* (*GRASPA-SIS*) of *S.I.S.* from 2013. Member of the *Gruppo di Lavoro sulla Analisi delle Serie Temporali (ANSET) della S.I.S.*).

Verona, 11th of June 2018

Marco Minozzo