Curriculum vitae
GATTONE Stefano Antonio

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Research positions and Education
October-2008-now
Researcher in Statistics at the Department of Quantitative Methods for Economic and Financial Studies (SEFEMEQ), University of Rome "Tor Vergata"

May 2004 – April 2007
Post-doc Fellow at the Department of Quantitative Methods and Economic Theory, University "G. d'Annunzio" of Chieti-Pescara. Research project: "Informative Sampling Designs for Social Surveys".

October 2000
Ph.D. in Statistics, University "G. d'Annunzio" of Chieti-Pescara

November 1997
Laurea (B.A.) in Economics.

Visiting
October 2000 – July 2001 and *October 2002*
Visiting student at the Department of Mathematics, University of Nottingham.

Research interests
Sampling from finite populations, Ecological Diversity, Statistical shape analysis, Statistical analysis of functional data, Customer satisfaction analysis, Cluster analysis

Conferences and Workshops
International Meeting on Spatial and Computational Statistical Network. Ambleside (U.K.), September 2000.

Biannual Meeting of the Classification Group of SIS , Palermo, July 2001.

XX Leeds Annual Research Statistics workshop: Functional and Statistical Spatial Analysis. Leeds, UK, July 2001.

XLI Riunione Scientifica della Società Italiana di Statistica, University of Milano Bicocca, June 2002.

TIES 2002: Annual Conference of The International Environmetrics Society, Genova, June 2002.

XXI Leeds Annual Research Statistics workshop: Statistics of large datasets, Functional and image data, bioinformatics and data mining, Leeds, UK, July 2002.

Sixth International Meeting: Quantitative Methods for Applied Sciences, Siena, Italy, September 2002.

7° National Conference ASITA, Verona, Italy, October 2003.

TIES 2004: The Fifteenth Annual Conference of The International Environmetrics Society, Portland, Maine, USA, June 2004.

Seventh International Meeting: Quantitative Methods for Applied Sciences, Siena, Italy, September 2004.

International Conference on Future of Statistical Theory, Practice, and Education, Hyderabad, Andhra Pradesh, INDIA, December 29, 2004-January 1, 2005.

International Conference in memory of two eminent scientists: C. Gini and M. O. Lorenz, Facoltà di Economia "Richard M. Goodwin", Siena, Italy, May 2005.

Convegno Intermedio SIS, Statistica e Ambiente, Università degli Studi di Messina. Novembre 2005.

TIES 2006, Kalmar, Svezia. June 2006.

Spatial Data Methods for Environmental and Ecological Processes, Mattinata (Fg). Italy. September 2006.

Fifth Conference S.Co. 2007: Complex Models and Computational Intensive Methods for Estimation and Prediction, Venezia Italy. September 2007.

ISEIS 2007: International Conference on Environmental Informatics, Bangkok, Thailandia. November 2007.

MTISD 2008 – Methods, Models and Information Technologies for Decision Support Systems, Università del Salento, Lecce, 18-20 September 2008.

CLADAG 2009 - Meeting of the Classification and Data Analysis Group of the Italian Statistical Society, Catania, 9-11 September 2009.

S.Co. 2009 - Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction, Milano, 14-16 September 2009.

SIS 2009 - Meeting of the Italian Statistical Society, Pescara, 23-25 September 2009.

GfKl-CLADAG 2010, Firenze, 8-10 September 2010.

ITACOSM 2011, Second ITAlian COnference on Survey Methodology, Pisa, 27-29 June 2011.

CLADAG 2011, Pavia, 7-9 September 2011.

Workshop MBC^2, Catania, September 2012.

Workshop in New Perspectives in Functional Data Analysis, Caserta, September 2012.

ERCIM, Pisa, September 2014.

Teaching Experience
2000-2002
Teaching assistant of "Statistica I", "Statistica II" and "Statistica Metodologica", Faculty of Economy, University "G. d'Annunzio" of Chieti-Pescara.

2003-2008
Teaching assistant of "Statistica I" and "Statistica II", Faculty of Managerial Sciences, University "G. d'Annunzio" of Chieti-Pescara.

2008-2012
Teaching assistant of Statistica, Faculty of Economy, University of Rome, "Tor Vergata".

2010-2011
Lecturer of STATA for the Master in "European Economy, Finance and Institutions", Faculty of Economy, University of Rome, "Tor Vergata" (course held in English).

2012-now

Teaching assistant of *Statistics*, Faculty of Political Sciences, LUISS Guido Carli university, Rome.

2013-now
Lecturer of Statistica, Faculty of Economy, University of Rome, "Tor Vergata".

2015-16
Lecturer of Statistics, Bachelor in Business Administration, DIGF, University of Rome, "Tor Vergata".

Conferences organization

Member of the local organizing committee of the SIS Conference, University of La Sapienza, Rome, 20-22 June 2012

Member of the scientific committee of the SIS Conference, Cagliari, 11-13 June 2013

Funding
2008 PRIN "Metodi statistici multivariati per la valutazione integrata della qualità dei servizi di pubblica utilità: efficacia-efficienza, rischio del fornitore, soddisfazione degli utenti"
National Coordinator: Prof. Maurizio Vichi.

2010 PRIN "Modelli Statistici multivariati per la valutazione dei rischi".
National Coordinator: Prof. Paolo Giudici.

Main Publications

1. "Surface shape analysis from MR images". In Mardia, K.V. and Aykroyd, R.G. editors, Proceedings in Functional and spatial data analysis. University of Leeds, University of Leeds Press, 2001, pp. 139-142 (in coll. I. L. Dryden).

2. "Non parametric confidence bands for β-diversity profiles". In Statistics of large datasets, Functional and image data, bioinformatics and data mining, Mardia, K.V. and Aykroyd, R.G. editors, LASR 2002, pp. 125-129 (in coll. T. Di Battista).

3. "Simultaneous Inference on Diversity of Biological Communities", Statistical Methods & Applications, Journal of Italian Statistical Society, Phisyca-Verlag, 13, 2004, pp. 131-138 (in coll. T. Di Battista).

4. "Multivariate bootstrap confidence regions for ecological populations using data depth", Environmental and Ecological Statistics, 11, 2004, pp. 355-365 (in coll. T. Di Battista).

5. "Non parametric tests and confidence regions for intrinsic diversity profiles of biological populations", Environmetrics, 14, 2004, pp. 733-741 (in coll. T. Di Battista).

6. "The multivariate adaptive sampling for estimating the diversity in ecological populations", in Advances in Classification and Data Analysis, Co-editors H.H. Bock, M. Chiodi and A. Mineo; Springer, Berlin, 2004, pp. 245-254 (in coll. T. Di Battista).

7. "VAR models for predicting biodiversity", Journal of Mathematics and Statistics, 1 (4), 2005, pp. 313-316 (in coll. T. Di Battista, M. Granturco).

8. "Functional Data Analysis of GSR signal", Proceedings S.Co. 2007: Complex Models and Computational Intensive Methods for Estimation and Prediction, CLEUP Editor, Venice, pp. 169-174. (in coll. T. Di Battista, P. Valentini, S. Di Romualdo)

9. "A functional approach to diversity profiles", Journal of the Royal Statistical Society, Series-C, 58, 2009, pp. 267-284. (in coll. T. Di Battista).

10. "Surface Shape Analysis, with an application to brain surface asymmetry in schizophrenia", Biostatistics, 2010, 11 (4), pp.609-630. (in coll. C.J. Brignell, I.L. Dryden, B. Park, S. Leask, S. Flynn).

11. "Dealing with FDA Estimation Methods". In New perspectives in statistical modeling & data analysis (Studies in classification, data analysis & knowledge organization), Co-editors S. Ingrassia, R. Rocci and M. Vichi. Springer, Berlin, 2011, pp.357-365 (in coll. T. Di Battista, A. De Sanctis).

12. "Adaptive cluster sampling with a data driven stopping rule", Statistical Methods & Applications, Journal of Italian Statistical Society, Phisyca-Verlag, 2011, 20, pp. 1-21. (in coll. T. Di Battista).

13. "A new Dimension Reduction Method: Factor Discriminant K-means", 2011, Journal of Classification, Vol. 28, p. 210-226 (in coll. R. Rocci, M. Vichi).

14. "Heterogeneity Measures in the Customer Satisfaction Analysis", Journal of Classification, 2011, 28, pp. 38-52 (in coll. P. Valentini , T. Di Battista)

15. "Clustering curves on a reduced subspace", 2012, Journal of Computational and Graphical Statistics, Vol. 21, pp. 361-379. (in coll. R. Rocci)

16. "Application of adaptive cluster sampling with a data-driven stopping rule to plant disease incidence", 2013, Journal of Phytopatology. (in coll. M. Esha, J.W. Mwangi)

17. "A study of complex shapes using information geometry", 2015, Nonlinear Phenomena in Complex Systems, Vol. 18, pp. 70-80. (in coll. A. De Sanctis)