

Giancarlo Manzi

Curriculum Vitae

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CONTACT

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EDUCATION

Ph.D. in Statistics, University of Milano-Bicocca, Italy, 2005.

Thesis title:

*Bootstrap Method Applications in Complex
Sample Surveys and Multilevel Models.*

Supervisors:

M.J. Srivastava, University of Toronto, Canada;

P. Ferrari, University of Milan, Italy;

F. Mecatti, University of Milano-Bicocca, Italy.

Visiting Ph.D. student, Department of Statistics, University of Toronto,
Canada, 2003-2004

Courses attended:

STA 4276F: MCMC algorithms (Fall, 2003),

Prof. J.S. Rosenthal;

STAT 4312: Bayesian Linear Models (Spring 2004),

Prof. R. Craiu.

Summer school, Memorial University of Newfoundland, Canada, 2003

Topics:

Cryptography;

Financial Mathematics.

B.Sc. in Statistics, Sapienza University of Rome, Italy, 1996.

Thesis title:

The Bank of Italy Household Survey:

An Analysis of the Labour Market Data.

Supervisors:

G. Carbonaro, Sapienza University of Rome, Italy;

G. Sgritta, Sapienza University of Rome, Italy.

OTHER QUALIFICATIONS

- 1 Qualified as Associate Professor of Statistics ('Abilitazione Scientifica Nazionale' - National Scientific Qualifying Exam), 2014.
- 2 Qualified as Chartered Statistician, Italy, 2002.
- 3 Qualified as A-Level Teacher of Applied Mathematics, Italy, 2000.

FELLOWSHIPS

- 1 Fellow of the Royal Statistical Society, 2010–.
- 2 Fellow of the Italian Statistical Society, 2005–.
- 3 Fellow of the Italian Regional Studies Society, 2014–.

- 4 University of Milan: Fellow, Department of Economics, Business and Statistics, Milan, Italy, 2006-2007.
- 5 University of Milan-Bicocca: Fellow, Department of Sociology, Milan, Italy, 2004-2006.
- 6 University of Turin: Fellow, Department of Economics, Turin, Italy, 2000.

POSITIONS

University of Milan, Milan, Italy:

- Associate Professor of Statistics, Department of Economics, Management and Quantitative Methods, April 2018–.
- Assistant Professor of Statistics, Department of Economics, Business and Statistics and Department of Economics, Management and Quantitative Methods, December 2008-March 2018.
- Postdoc in Statistics, Department of Economics, Business and Statistics, 2006-2007.

Medical Research Council, Biostatistics Unit, Cambridge, UK:
Research Scientist, 2007-2008.

University of Verona, Verona, Italy:

Adjunct Professor of Statistics, Department of Economics, 2014-2015.

University of Turin, Turin, Italy:

Adjunct Professor of Statistics, Department of Economics, 2005.

University of Milan-Bicocca, Milan, Italy:

Instructor of Statistics, Department of Sociology, 2004-2007.

University "Nettuno", Italy:

Instructor of Statistics, 2002-2003.

University of Turin, Turin, Italy:

Instructor of Statistics, Department of Economics, 1999-2001.

PUBLICATIONS

Articles in International Refereed Journals

- 1 Tanda, A., Manzi, G., Underpricing of venture-backed IPOs: a meta-analytic approach. *Economics of Innovation and New Technology*, 2019. DOI: 10.1080/10438599.2019.1625154.
- 2 Chiodini, P.M., Manzi, G., Martelli, B.M., Verrecchia, F., Revisiting Sample Allocation Methods: A Simulation-Based Comparison. *Communications in Statistics: Simulation and Computation*, 2019. DOI: 10.1080/03610918.2019.1601214.
- 3 Alsayed, A.R.M., Isa, Z., Sek, S.K., Manzi, G., Quantile Regression to Tackle the Heterogeneity on the Relationship between Economic Growth, Energy Consumption, and CO2 Emissions, *Environmental Modeling & Assessment*, 2019. DOI: 10.1007/s10666-019-09669-7.
- 4 Giachetti, C., Manzi, G., Colapinto, C., Entry Mode Degree of Control, Firm Performance and Host Country Institutional Development: A Meta-Analysis. *Management International Review*, Vol. 59(1), 3-39, 2019. DOI: 10.1007/s11575-018-0365-z.
- 5 Manzi, G., Forster, M., Biases in Bias Elicitation. *Communications in Statistics: Theory and Methods*, Vol. 48(18). 4656-4674, 2019. DOI: 10.1080/03610926.2018.1500598.
- 6 Solaro, N., Barbiero, A., Manzi, G., Ferrari, P. A., A simulation comparison of imputation methods for quantitative data in the presence of multiple data patterns. *Journal of Statistical Computation and Simulation*, Vol. 88(18), 3588-3619, 2018. DOI: 10.1080/00949655.2018.1530773.
- 7 Manzi, G., Saibene, G., Are they telling the truth? Revealing hidden traits of satisfaction with a public bike sharing service. *International Journal of Sustainable Transportation*, Vol. 12(4), 253-270, 2018. DOI: 10.1080/15568318.2017.1353186.
- 8 Solaro, N., Barbiero, A., Manzi, G., and Ferrari, P.A., A sequential distance-based approach for imputing missing data: Forward Imputation. *Advances in Data Analysis and Classification*, Vol. 11(2), 395-414, 2017. DOI: 10.1007/s11634-016-0243-0.

- 9 Manzi, G., Ferrari, P. A., Stefanizzi, S., Is the EU Influencing the Quality of Life? Let People Have Their Say! *Statistica & Applicazioni*, 15(1): 51-75, 2017.
- 10 Manzi, G., Stefanizzi, S., Ferrari, P.A., In the end, will we all be Europeans? A two-phase analysis of citizens' sentiment towards the EU. *Quality & Quantity*, Vol. 50(6): 2535-2551, 2016. DOI: 10.1007/s11135-015-0275-0.
- 11 Colapinto, C., Manzi, G., Music listening in the twenty-first century: Italian consumer attitudes to Internet radio. *The Radio Journal: International Studies in Broadcast & Audio Media*, Vol. 14(2): 213-230, 2016. DOI: 10.1386/rjao.14.2.213.1.
- 12 Barbiero, A., Manzi, G. and Mecatti, F., Bootstrapping Probability-Proportional-to-Size Samples via Calibrated Empirical Population. *Journal of Statistical Computation and Simulation*, Vol. 85(3): 608-620, 2015. DOI: 10.1080/00949655.2013.833204.
- 13 Ferrari, P.A., Manzi, G., Citizens evaluate public services: A critical overview of statistical methods for analysing user satisfaction. *Journal of Economic Policy Reform*, Vol. 17(3): 236-252, 2014. DOI: 10.1080/17487870.2014.909313.
- 14 Ferrari, P.A., Annoni, P., Barbiero, A. and Manzi, G., An imputation method for categorical variables with application to nonlinear principal component analysis, *Computational Statistics & Data Analysis*, Vol. 55(7): 2410-2420, 2011. DOI: 10.1016/j.csda.2011.02.007.
- 15 Manzi, G., Spiegelhalter, D. J., Turner, R. M., Flowers, J. and Thompson, S. G., Modelling bias in combining small area prevalence estimates from multiple surveys, *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, Vol. 174(1): 31-50, 2011. DOI: 10.1111/j.1467-9868.2010.00740.x.
- 16 Ferrari, P.A., Annoni, P. and Manzi, G., Evaluation and comparison of European countries: public opinion on services. *Quality & Quantity*, Vol. 44(6): 1191-1205, 2010. DOI: 10.1007/s11135-009-9278-z.
- 17 Del Bo, C.F., Florio, M. and Manzi, G., Regional Infrastructure and Convergence: Growth Implications in a Spatial Framework, *Transition*

Studies Review, Vol. 17(3): 475-493, 2010. DOI: 10.1007/s11300-010-0160-4.

- 18 Ferrari, P.A. and Manzi, G., Nonlinear Principal Component Analysis as a Tool for the Evaluation of Customer Satisfaction. *Quality Technology & Quantitative Management*, Vol. 7(2): 117-132, 2010.
- 19 Manzi, G. and Mecatti, F., Bootstrap algorithms for risk models with auxiliary variable and complex samples. *Methodology and Computing in Applied Probability*, Vol. 11(1): 21-27, 2009. DOI: 10.1007/s11009-008-9072-8.

Refereed Book Chapters

- 1 Manzi, G., Prefazione [Preface]. In Verrecchia, V. (Ed.): *Dati amministrativi, metodi e statistiche per le politiche territoriali* [Administrative Data, Methods and Statistics for Local Policies], Milan: Franco Angeli, 2019, ISBN: 9788891794642.
- 2 Solaro, N., Barbiero, A., Manzi, G., and Ferrari, P.A., Algorithmic-Type Imputation Techniques with Different Data Structures: Alternative Approaches in Comparison. In Vicari, D., Okada, A., Ragozini, G., and Weihs, C. (Eds.): *Analysis and Modeling of Complex Data in Behavioral and Social Sciences*, Berlin: Springer, 2014, ISBN: 978-3-319-06692-9.
- 3 Ferrari, P.A., Manzi, G., Europeans' opinions on services. In Michalos, A. (Ed.) *Encyclopedia of Quality of Life and Well-Being Research*, Berlin: Springer, 2034-2041, 2014, ISBN: 978-94-007-0752-8.
- 4 Martelli, B. M., Bruno, G., Chiodini, P. M., Manzi, G., Verrecchia, F., Fifty Years of Business Confidence Surveys on Manufacturing Sector. In Crescenzi, F., Mignani, S. (Eds.) *Statistical Methods and Applications from a Historical Perspective*, Berlin: Springer, 111-121, 2014, ISBN: 978-3-319-05551-0.
- 5 Ferrari, P.A., Barbiero, A. and Manzi, G., Handling Missing Data in Presence of Categorical Variables: A New Imputation Procedure. In

Ingrassia, S., Rocci, R. and Vichi, M. (Eds.): *New Perspectives in Statistical Modeling and Data Analysis*, Berlin: Springer, 473-480, 2011, ISBN: 978-3-642-11362-8.

- 6 Chiadini, P.M., Lima, R., Manzi, G. Martelli, B.M. and Verrecchia, F., Criticalities in applying the Neyman's optimality in business surveys: a comparison of selected allocation methods. In Wywiał, J. and Gamrot, W. (Eds.): *Survey Sampling Methods in Economic and Social Research*, Katowice: University of Economics in Katowice Publishing Office, 37-72, 2010, ISBN: 978-83-7246-621-1.

Refereed Conference Proceedings

- 1 Gaito, S.T., Manzi, G., Saibene, G., Salini, S., Zignani, M., Modeling Cyclists' Itinerary Choices: Evidence from a Docking Station-Based Bike-Sharing System. Proceedings of the Smart Statistics for Smart Applications Intermediate Conference of the Italian Statistical Association, Milan, Italy, June 18-21, 2019. ISBN: 9788891915108.
- 2 De Battisti, F., Manzi, G., Smart Tools for Academic Submission Decisions: Waiting Times Modeling. Proceedings of the Smart Statistics for Smart Applications Intermediate Conference of the Italian Statistical Association, Milan, Italy, June 18-21, 2019. ISBN: 9788891915108.
- 3 Cappozzo, A., Greselin, F., Manzi, G., Predicting and improving smart mobility: a robust model-based approach to the BikeMi BSS. Proceedings of the Smart Statistics for Smart Applications Intermediate Conference of the Italian Statistical Association, Milan, Italy, June 18-21, 2019. ISBN: 9788891915108.
- 4 Manzi, G., Salini, S., Villa, C. Predicting Cycling Usage for Improving Bike-Sharing Systems. Proceedings of the Data Science & Social Research Conference, University of Milan-Bicocca, University IULM, Milan, Italy, February 4th-5th, 2019. ISBN: 9788894312096.
- 5 Stefanizzi, S., Manzi, G., Blending Small and Big Data for Evaluating the Immigration-Insecurity Relationship. Proceedings of the Data Science & Social Research Conference, University of Milan-Bicocca, University IULM, Milan, Italy, February 4th-5th, 2019. ISBN: 9788894312096.

- 6 Saibene, G., Manzi, G., Measuring Satisfaction with a (Presumably) Successful Public Service: Is All That Glitters Gold?. XXXVII AISRE Scientific Annual Conference, Ancona, Italy, September 20-22, 2016.
- 7 Manzi, G., Stefanizzi, S., Ferrari P.A. Some fallacies and remedies in secondary data analysis for survey data. Proceedings of the Conference of European Statistics Stakeholders, Rome, Italy, November 24-25, 2014.
- 8 Saibene, G. and Manzi, G., The Milan shared bicycle scheme: A report on the development of a successful public transportation system. Proceedings of the XXXV-th AISRE Scientific Annual Conference, Padua, Italy, September 11-13, 2014.
- 9 Manzi, G., Bias hierarchical modelling for small domains using multiple survey estimates, In: *Survey research methods and applications: Proceedings of the third ITACOSM conference - Third ITALian CONference on Survey Methodology*, Milan, Italy, 2013.
- 10 Solaro, N., Barbiero, A., Manzi, G., Ferrari, P.A., What makes for a good missing value imputation? New algorithmic approaches in PCA and random forests-based techniques *The Royal Statistical Society Conference Abstracts Booklet*, Telford, UK, 2012.
- 11 Solaro, N., Barbiero, A., Manzi, G., Ferrari, P.A., Algorithmic imputation techniques for missing data: performance comparisons and development perspectives. In: *Analysis and Modeling of Complex Data in Behavioural and Social Sciences: JCS - CLADAG 12 - Book of short papers*, Anacapri, Italy, 2012. - ISBN 978-88-6129-916-0.
- 12 Manzi, G., Barbiero, A., Mecatti, F., Bootstrapping under Rao-Sampford probability proportional to Size sampling: computational aspects and application perspectives. In: *Survey research methods and applications: Proceedings of the second ITACOSM conference - Second ITALian CONference on Survey Methodology*, Pisa, Italy, 2011. - ISBN 9788884927729 - pp. 199-202.
- 13 Barbiero, A., Manzi, G., Mecatti, F., Calibrated π ps bootstrap. In: *Survey research methods and applications: Proceedings of the second*

ITACOSM conference - Second ITALian CONference on Survey Methodology, Pisa, Italy, 2011. - ISBN 9788884927729 - pp. 149-152.

- 14 Chiodini, P.M., Manzi, G., Martelli, B.M. and Verrecchia, F., On Computational Aspects of Simulation Methods in the Sample Allocation Framework, *4th European Survey Research Association (ESRA) Conference*, Book of Abstract, Lausanne, Switzerland, 2011.
- 15 Martelli, B. M., Bruno, G., Chiodini, P. M., Manzi, G., Verrecchia, F., Fifty Years of Italian Sampling and Economic Cycle History witnessed by the Business Confidence Survey on Manufacturing Sector, *Proceedings of the Intermediate Conference of the Italian Statistical Society*, Bologna, Italy, ISSN 1973-9346, 2011.
- 16 Chiodini, P.M., Manzi, G., Martelli, B.M. and Verrecchia, F., Archive and sampling Information: is an integration possible? The case of the confidence survey on manufacturing, *Workshop "Enhancement and Social Responsibility of Official Statistics"*, Book of Abstracts, European University of Rome, Rome, Italy, 2011.
- 17 Chiodini, P.M., Manzi, G. Martelli, B.M. and Verrecchia, F., The ISAE Manufacturing Survey Sample. Validating the Nace Rev.2 Sectorial Allocation, *Proceedings of the 30th CIRET Conference*, New York, USA, 2010.
- 18 Manzi, G., Refining bootstrap methods in dependent data structures: is there room for improvement? *The Royal Statistical Society Conference Book of Abstract*, Brighton, UK, 2010.
- 19 Chiodini, P.M., Martelli, B.M., Manzi, G. and Verrecchia, F., Between Theoretical and Applied Approach: Which Compromise for Unit Allocation in Business Surveys? *Proceedings of the Italian Statistical Society 2010 Scientific Meeting*, Padua, Italy, ISBN 978-88-6129-566-7, 2010.
- 20 Ferrari, P.A., Annoni, P., Barbiero, A. and Manzi, G., Handling missing data in setting up indicators from categorical data. *The Royal Statistical Society Conference*, Book of Abstract, Edinburgh, UK, 2009.

- 21 Ferrari, P.A., Barbiero, A. and Manzi, G., Missing data handling in setting up indicators from categorical data. *Proceedings of the Classification and Data Analysis 2009 Conference*, Catania, Italy, 2009.
- 22 Chiodini, P.M., Facchinetti, S., Manzi, G. and Verrecchia, F., Business Survey Methods for the Italian Information Technology Sector. *Proceedings of ITACOSM 2009, First ITALian CONference on Survey Methodology*, Siena, Italy, 2009.
- 23 Chiodini, P.M., Facchinetti, S., Manzi, G. and Verrecchia, F., Infinite data and few information for regional forecast: an applied approach from this paradox. *Proceedings of the Intermediate Conference of the Italian Statistical Society*, Pescara, Italy, ISBN 978-88-6129-425-7, 2009.
- 24 Mecatti, F. and Manzi, G., Auxiliary Variable-Driven Bootstrap in Complex Sampling Designs. *Proceedings of the Multivariate Methods and Models for Evaluating Public Services Conference*, Rimini, Italy, 2009.
- 25 Bocale, P. and Manzi, G., The change from OV to VO and the expansion of prepositions in Russian: a statistical investigation. In S. Birzer, M. Finkelstein and I. Mendoza (eds.), *Proceedings of the Second International Perspectives on Slavistics Conference Regensburg 2006 - Die Welt der Slaven: Sborniki, Band 36*, Mnchen: Verlag Otto Sagner, 2009.
- 26 Manzi, G., Spiegelhalter, D. J., Turner, R. M., Flowers, J. and Thompson, S. G., Modelling biases in combining small-area smoking prevalence estimates from multiple surveys. *The Royal Statistical Society Conference*, Book of Abstract, Nottingham, UK, 2008.
- 27 Manzi, G. and Mecatti, F., Bootstrap Algorithms for Risk Models with Auxiliary Variable and Complex Samples. *Proceedings of the Intermediate Conference of the Italian Statistical Society*, Venice, Italy, ISBN 978-88-6129-093-8, 2007.
- 28 Ferrari, P.A., Annoni, P. and Manzi, G., A measurement tool for comparing satisfaction. *Proceedings of the 56th International Statistical Institute Conference*, Lisbon, Portugal, 2007.

- 29 Ferrari, P.A., Annoni, P. and Manzi, G., Setting-up of indicators to measure and compare users' dissatisfaction: the case of public services in Europe. *Proceedings of the Evaluation and Customer Satisfaction for Service Quality Conference*, University of Rome "Tor Vergata", Rome, 2007.
- 30 Manzi, G. and Mecatti, F., Bootstrap Methods for Capture-Recapture Sampling. *Proceedings of the Intermediate Conference of the Italian Statistical Society*, Messina, Italy, ISBN 88-7178-531-2, 2005.

Articles in National Refereed Journals

- 1 Sorrentino, M., Manzi, G., Virili, F. Public and private dimensions in the identity-mission nexus: the BikeMi case. *Impresa Progetto*, 1: 1-11, 2019.
- 2 Saibene, G., Manzi, G., Il bike sharing di Milano: rapporto sullo sviluppo di un nuovo sistema di trasporto pubblico di successo [The Milan's Bike Sharing: a Report on the Development of a new successful public transport system], *Rivista di Economia e Politica dei Trasporti*, 3: 1-24, 2014.

Articles in Non-Refereed Journals

- 1 La Rosa, M., Corso, D., Chiodini, P.M., Cuppone, F., Manzi, G., Martelli, B.M., Verrecchia, F., Particolari Forme di Economia del Crimine: il Business della Pedofilia On Line (Particular Forms of Crime Economy: the Business of On-Line Pedophilia), *Rivista Italiana di Economia, Demografia e Statistica*, 66(1), 173-180, 2012.
- 2 Manzi, G., Metodologie Bootstrap per l'indagine sui bilanci delle famiglie italiane della Banca d'Italia (Bootstrap Methods for the Bank of Italy Survey of Household Income and Wealth), *Congiuntura*, 2-2004, 2004.

Working Papers

- 1 Manzi, G., Alsayed, A., A Simulation Study for Monotonic Dependence in the Presence of Outliers, WP No. 4, Department of Economics, Management and Quantitative Methods, University of Milan, 2019.
- 2 Nematollahi, S., Manzi, G., Portfolio Management Using Prospect Theory: Comparing Genetic Algorithms and Particle Swarm Optimization, WP No. 3, Department of Economics, Management and Quantitative Methods, University of Milan, 2018.
- 3 Manzi, G., Stefanizzi, S. and Ferrari, P.A., On the Impact of the European Union in Citizens' Perception of Quality of Life, WP No. 8, Department of Economics, Management and Quantitative Methods, University of Milan, 2017.
- 4 Chiodini, P.M., Manzi, G., Martelli, B.M. and Verrecchia, F., Divide, Allocate et Impera: Comparing Allocation Strategies via Simulation, WP No. 9, Department of Economics, Management and Quantitative Methods, University of Milan, 2017.
- 5 Solaro, N., Barbiero, A., Manzi, G. and Ferrari, P.A., A comprehensive simulation study on the Forward Imputation, WP No. 4, Department of Economics, Management and Quantitative Methods, University of Milan, 2015.
- 6 Saibene, G. and Manzi, G., Bike Usage in Public Bike-Sharing: An Analysis of the BikeMi System in Milan, WP No. 1, Department of Economics, Management and Quantitative Methods, University of Milan, 2015.
- 7 Manzi, G. and Ferrari, P.A., Statistical methods for evaluating satisfaction with public services, *CIRIEC Working Papers*, No. 2014/04, CIRIEC International, Universit de Lige au Sart-Tilman, 2014.
- 8 Manzi, G. and Forster, M., Biases in Bias Elicitation, *Discussion Papers in Economics*, No. 12/04, Department of Economics and Related Studies, The University of York, 2012.
- 9 Del Bo, C.F., Florio, M. and Manzi, G., Regional infrastructure and convergence: growth implications in a spatial framework. *Working*

Papers, WP No. 34, Department of Economics, Business and Statistics, University of Milan, 2009.

- 10 Chiodini, P. M., G. Manzi, F. Verrecchia. Allocations ottimali robuste con soglia uni- forme di strato [Robust optimal allocation with uniform stratum threshold]. *Esec Working Papers* 1(5), 2008.
- 11 Ferrari, P.A., Annoni, P. and Manzi, G., Evaluation and comparison of European countries: public opinion on services. *UNIMI - Research Papers in Economics, Business, and Statistics. Statistics and Mathematics. Working Paper 27*, 2007.
- 12 Manzi, G., Nonparametric Bootstrap Methods for Finite Populations. *Quaderni del Dipartimento di Statistica e Matematica Applicata alle Scienze Umane "Diego De Castro"* (Working Papers, Department of Statistics and Applied Mathematics "Diego De Castro"), No. 10, Series A, University of Turin, 2007.
- 13 Manzi, G., On Applying EM Algorithm and Bayesian Estimation to Document Classification. *Quaderni del Dipartimento di Statistica* (Working Papers), Department of Statistics, University of Milan-Bicocca, 2005.

Contributions to Technical Reports

- 1 Manzi G., et al., Le misure di Finanza agevolata per le imprese gestite da Finlombarda (Soft loans for companies in the Finlombarda network), Finlombarda-Eupolis, 2017.
- 2 Verrecchia, F., Manzi, G. et al., Primo Rapporto sul settore IT in Italia (First Report on the Italian IT Sector), Assinform and Chamber of Trade of Milan, 2009.
- 3 Verrecchia, F., Chiodini, P.M., Manzi, G. et al. Gli insegnanti di fronte all'abuso: analisi del livello di percezione e conoscenza dell'abuso sull'infanzia nelle scuole siciliane (Teachers and abuse: an analysis of perception and knowledge of children abuse in Sicilian schools). Telefono Azzurro, 2009.

- 4 Bonanomi, A., Manzi, G., Osmetti, S. and Rivellini, G., Criminal Analysis Implementation. Catholic University of Milan, University of Trento and Ministry of Home Affairs, Italy, 2008.
- 5 Verrecchia, F., Manzi, G., Cepparulo, A., La coesione economico-sociale nelle regioni d'Europa. Rapporto ESeC 2007 (The socio-economic cohesion in European regions: ESeC Report 2007). ESeC, 2007.
- 6 Verrecchia, F. and Manzi, G., The employment and the requirements of ICT professional skills in Friuli-Venezia Giulia Region, AITech-Assinform, Pordenone, Italy, Vol. 1-2, 2006.
- 7 Verrecchia, F. and Manzi, G., Il settore ICT in Emilia-Romagna and Università e ricerca (The ICT Market in Emilia-Romagna and University and Research). In: Benchmarking of the information society in Emilia-Romagna County - 2006 Report, Emilia-Romagna Region Council, Bologna, Italy, Vol. 10-2, Chap. 6 (pp. 71-73, pp. 77-88), Chap. 7 (pp. 89-97), 2006.

Ph.D. Thesis

- 1 Manzi, G., Bootstrap method applications in complex sample surveys and multilevel models, Ph.D. thesis, University of Milan-Bicocca, Milan, Italy, 2005.

Online Publications

- 1 Stefanizzi, S., Manzi, G., Populism and Perceived Threats of Immigration, Discover Society, 2019 (<https://discoversociety.org/2019/01/02/populism-and-perceived-threats-of-immigration/>).
- 2 Manzi, G., Da "‘hundreds of thousands’" a "‘tens of thousands’": David Cameron e la recente immigrazione nel Regno Unito (From "‘hundred of thousands’" to "‘tens of thousands’": David Cameron and the recent immigration in the UK), Neodemos, 2011 (www.neodemos.it).
- 3 Bocale, P. and Manzi, G., La migrazione dall'Ucraina in Italia: un confronto tra i dati statistici ucraini e italiani (The migration from Ukraine to Italy: a comparison between Ukrainian and Italian statistical data), Neodemos, 2010 (www.neodemos.it).

PRESENTATIONS AND POSTERS

Contributed talks in international conferences and workshops

- 1 Salini, S., Manzi, G., Statistical solutions to improving bike-sharing systems. 12th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics2019), 14-16 December 2019, Senate House, University of London, UK.
- 2 Gaito, S.T., Manzi, G., Saibene, G., Salini, S., Zignani, M., Modeling Cyclists' Itinerary Choices: Evidence from a Docking Station-Based Bike-Sharing System. Smart Statistics for Smart Applications Intermediate Conference of the Italian Statistical Association, Milan, Italy, June 18-21, 2019.
- 3 De Battisti, F., Manzi, G., Smart Tools for Academic Submission Decisions: Waiting Times Modeling. Smart Statistics for Smart Applications Intermediate Conference of the Italian Statistical Association, Milan, Italy, June 18-21, 2019.
- 4 Cappozzo, A., Greselin, F., Manzi, G., Predicting and improving smart mobility: a robust model-based approach to the BikeMi BSS. Smart Statistics for Smart Applications Intermediate Conference of the Italian Statistical Association, Milan, Italy, June 18-21, 2019.
- 5 Manzi, G., Salini, S., Villa, C. Predicting Cycling Usage for Improving Bike-Sharing Systems. Data Science & Social Research Conference, University of Milan-Bicocca, University IULM, Milan, Italy, February 4th-5th, 2019.
- 6 Stefanizzi, S., Manzi, G., Blending Small and Big Data for Evaluating the Immigration-Insecurity Relationship. Data Science & Social Research Conference, University of Milan-Bicocca, University IULM, Milan, Italy, February 4th-5th, 2019.
- 7 Alsayed, A.R.M., Manzi, G. Siok Kun, S. Comparison of Dependence Coefficients in Presence of Outliers, A Simulation Study. Fifth conference of the Deutsche Arbeitsgemeinschaft Statistik (DAGStat 2019), Munich, Germany, March 18-22, 2019.

- 8 Sorrentino, M., Manzi, G., Virili, F. Public/private collaboration and multiplicity in the identity-mission nexus: the BikeMi case. 20th Workshop of the Organization Science Researchers, Palermo, Italy, February 7-8, 2019.
- 9 Manzi, G., Salini, S., Villa, C. Predicting Cycling Usage for Improving Bike-Sharing Systems. 2nd International Conference on Data Science and Social Research, Milan, Italy, February 4-5, 2019.
- 10 Stefanizzi, S., Manzi, G. Blending Small and Big Data for Evaluating the Immigration-Insecurity Relationship. 2nd International Conference on Data Science and Social Research, Milan, Italy, February 4-5, 2019.
- 11 Manzi G., Stefanizzi, S. Unmasking populist attitudes in Europe by blending small and big data. 5th Interim Conference of the Political Sociology Research Network of the European Sociological Association, Prague, Czech Republic, November 2-3, 2018.
- 12 Nematollahi, S., Manzi, G., Portfolio Management Using Prospect Theory: Comparing Genetic Algorithms and Particle Swarm Optimization. International Conference on Economic Modeling - EcoMod2018 - Venice, Italy July 4-6, 2018.
- 13 Nematollahi, S., Manzi, G., Portfolio Management Using Prospect Theory: Comparing Genetic Algorithms and Particle Swarm Optimization. 7th PhD Student Conference in International Macroeconomics and Financial Econometrics, Universit Paris Nanterre, Nanterre, France, March 16th, 2018.
- 14 Tanda, A., Manzi G., Underpricing of venture-backed IPOs: a meta-analysis approach. ADEIMF 2017 Conference, Rome, Italy, September 13-14, 2017.
- 15 Chiodini, P.M., Manzi, G. Martelli, B.M. and Verrecchia, F., Sampling Allocation Strategies: A Simulation-Based Comparison. ITACOSM 2017: 5th ITALian CONference on Survey Methodology, Bologna, Italy, June 14-16, 2017.
- 16 Manzi, G., Waiting for Godot: A Multilevel Framework for Peer-reviewing Waiting Times and Research Impact. Eleventh Multilevel

Conference, University of Utrecht, Utrecht, The Netherlands, April 12-13, 2017.

- 17 Manzi, G., Stefanizzi, S. and Ferrari, P.A., Can we measure the role of the EU in citizens' quality of life perception?. Third AIQUAV Conference, Florence, Italy, December 8-10, 2016.
- 18 Saibene, G. and Manzi, G., Measuring Satisfaction with a (Presumably) Successful Public Service: Is All That Glitters Gold?. XXXVII AISRE Scientific Annual Conference, Ancona, Italy, September 20-22, 2016.
- 19 Saibene, G. and Manzi, G., Ecological solutions for public transportation in smart cities. Proceedings of the Portuguese Association for Regional Development and the Moroccan Regional Science Association Congress, Marrakech, Morocco, May 30-31, 2016.
- 20 Saibene, G. and Manzi, G., Ecological solutions for public transportation in smart cities. Proceedings of the Albanian Studies Days 2016, Tirana, Albania, April 29-30, 2016 (poster presentation).
- 21 Manzi, G., Stefanizzi, S., Ferrari P.A., 'In the long run we are all... Europeans': A two-phase analysis of citizens' attachment to the EU. Proceedings of the ESRA Conference, Reykjavik, Iceland, July 13-17, 2015 (accepted for poster presentation).
- 22 Manzi, G., Stefanizzi, S., Ferrari P.A., Some fallacies and remedies in secondary data analysis for survey data. Proceedings of the Conference of European Statistics Stakeholders, Rome, Italy, November 24-25, 2014.
- 23 Saibene, G. and Manzi, G., The Milan shared bicycle scheme: A report on the development of a successful public transportation system. XXXV AISRE Scientific Annual Conference, Padua, Italy, September 11-13, 2014.
- 24 Bocale, P. and Manzi, G., "I'm now proud of my linguistic and cultural heritage": the revitalization of Italian in the Crimea. ICML XIV - International Conference on Minority Languages XIV, Graz, Austria, September 11-14, 2013.

- 25 Manzi, G., Giachetti, C. and Colapinto, C., Entry Mode Degree of Control and Firm Performance: A Meta-Analysis. MAER-Net Colloquium, London, UK, September 5-7, 2013.
- 26 Ferrari, P.A. and Manzi, G., The role of users' satisfaction in public enterprises. International Brainstorming Workshop: Public enterprises in the 21th century: Recent advances on public missions and performance - Theory contributions and literature review, Berlin, Germany, February 14-15, 2013.
- 27 Solaro, N., Barbiero, A., Manzi, G. and Ferrari, P.A., Algorithmic imputation techniques for missing data: performance comparisons and development perspectives. Classification and Data Analysis 2009 Conference, Anacapri, Italy, September 3-4, 2012.
- 28 Solaro, N., Barbiero, A., Manzi, G. and Ferrari, P.A., What makes for a good missing value imputation? New algorithmic approaches in PCA and random forests-based techniques. Royal Statistical Society Conference, Telford, UK, September 3-6, 2012 (poster presentation).
- 29 Ferrari, P.A., Barbiero, A., Manzi, G. and Solaro, N., An imputation method for mixed-type data using nonlinear principal component analysis. ERCIM'11 Conference, London, UK, December 17-19, 2011 (poster presentation).
- 30 Manzi, G., Meta-analytic approaches to the evaluation of customer satisfaction in the provision of services of general interest, 4th International Conference on Social Aspects of Market Economy, Hucisko, Poland, September 5-7, 2011.
- 31 Chiadini, P.M., Manzi, G., Martelli, B.M. and Verrecchia, F., On Computational Aspects of Simulation Methods in the Sample Allocation Framework, 4th Conference of the European Survey Research Association (ESRA), Lausanne, Switzerland, July 18-22, 2011.
- 32 Barbiero, A., Manzi, G., Mecatti, F., Calibrated π PS bootstrap, ITA-COSM 2011, ITALian COnference on Survey Methodology, Pisa, Italy, June 27-29, 2011.
- 33 Manzi, G., Barbiero, A., Mecatti, F., Bootstrapping under Rao-Sampford probability proportional to size sampling: computational aspects and

- application perspectives, ITACOSM 2011, ITALian CONference on Survey Methodology, Pisa, Italy, June 27-29, 2011 (poster presentation).
- 34 Chiodini, P.M., Manzi, G., Martelli, B.M. and Verrecchia, F., Profiting from calibration in IT business survey estimates, ITACOSM 2011, ITALian CONference on Survey Methodology, Pisa, Italy, June 27-29, 2011 (poster presentation).
 - 35 Martelli, B. M., Bruno, G., Chiodini, P. M., Manzi, G., Verrecchia, F., Fifty Years of Italian Sampling and Economic Cycle History witnessed by the Business Confidence Survey on Manufacturing Sector, Italian Statistical Society 2011 Scientific Meeting, Bologna, Italy, June 8-10, 2011.
 - 36 La Rosa, M., Corso, D., Chiodini, P. M., Cuppone, F., Manzi, G., Martelli, B.M. and Verrecchia, F., Particolari forme di economia del crimine: il business della pedofilia on-line (Particular forms of crime economy: the business of the on-line pedophilia), SIEDS 2011, Italian Economic, Demographic and Statistical Society 2011 Scientific Meeting, Rome, Italy, May 26-28, 2011.
 - 37 Chiodini, P.M., Manzi, G., Martelli, B.M. and Verrecchia, F., Archive and Survey Information: is an Integration possible? The case of the ISAE/ISTAT Confidence Survey on Manufacturing, Workshop "‘Enhancement and social responsibility of National Statistics’", European University of Rome, Rome, Italy, April 28-29, 2011.
 - 38 Chiodini, P.M., Manzi, G., Martelli, B.M. and Verrecchia, F., The ISAE Manufacturing Survey Sample. Validating the Nace Rev.2 Sectorial Allocation, 30th CIRET Conference, New York, USA, October 13-16, 2010.
 - 39 Manzi, G., Refining bootstrap methods in dependent data structures: is there room for improvement? Royal Statistical Society Conference, Brighton, UK, September 13-17, 2010 (poster presentation).
 - 40 Chiodini, P.M., Martelli, B.M., Manzi, G. and Verrecchia, F., Between Theoretical and Applied Approach: Which Compromise for Unit Allocation in Business Surveys? Italian Statistical Society 2010 Scientific Meeting, Padua, Italy, June 16-18, 2010.

- 41 Bocale, P. and Manzi, G., Sofia's street Pozitano vs. Rome's Via Sofia: a Comparative Study of Bulgarian and Italian Toponomastics. International University Seminar for Balkan Studies and Specialization - The World of the Balkan Street, South-West University *Neofit Rilski* - Blagoevgrad, Bulgaria, February 25-27, 2010.
- 42 Khadjesari, Z., Murray, E., Godfrey, C., Hewitt, C., Manzi, G., Thompson, S., Can stand-alone computer-based interventions reduce alcohol consumption? INEBRIA 2009 Conference, Newcastle Gateshead, UK, October 7-9, 2009.
- 43 Chiodini, P.M., Facchinetti, S., Manzi, G. and Verrecchia, F., Infinite data and few information for regional forecast: an applied approach from this paradox. Poster presented at the Italian Statistical Society 2009 Conference, Pescara, Italy, September 23-25, 2009.
- 44 Chiodini, P.M., Lima, R., Manzi, G. Martelli, B.M. and Verrecchia, F. Criticalities in Applying the Neyman's Optimality in Business Surveys: a Comparison of Selected Allocation Methods. Sixth Conference on Survey Sampling in Economic and Social Research, Katowice, Poland, September 21-22, 2009.
- 45 Ferrari, P.A., Barbiero, A. and Manzi, G., Missing data handling in setting up indicators from categorical data. Classification and Data Analysis 2009 Conference, Catania, Italy, September 9-11, 2009.
- 46 Ferrari, P.A., Annoni, P., Barbiero, A. and Manzi, G., Handling missing data in setting up indicators from categorical data. Royal Statistical Society Conference, Edinburgh, UK, September 7-11, 2009.
- 47 Chiodini, P.M., Facchinetti, S., Manzi, G. and Verrecchia, F., Business Survey Methods for the Italian Information Technology Sector. ITA-COSM 2009, First ITALIAN CONFERENCE on Survey Methodology, Siena, Italy, June 10-12, 2009.
- 48 Mecatti, F. and Manzi, G., Auxiliary Variable-Driven Bootstrap in Complex Sampling Designs. Multivariate Methods and Models for Evaluating Public Services Conference, Rimini, Italy, May 25-26, 2009.
- 49 Bocale, P. and Manzi, G., The use of professional nouns in advertising in Bulgaria, Russia, Ukraine and Poland: an empirical study. Accepted

for the BASEES Annual Conference, Fitzwilliam College, Cambridge, UK, March 28-30, 2009.

- 50 Manzi, G., Spiegelhalter, D.J., Turner, R.M., Flowers, J. and Thompson, S.G., Modelling biases in combining small-area smoking prevalence estimates from multiple surveys. Royal Statistical Society Conference, Nottingham, UK, September 2-5, 2008.
- 51 Manzi, G., BEES: a software for bias elicitation. Cambridge Statistics Initiative: 1-day meeting, Statistics Laboratory, Department of Pure Mathematics and Mathematical Statistics, University of Cambridge, UK, April 21, 2008.
- 52 Ferrari, P.A., Annoni, P. and Manzi, G., A measurement tool for comparing satisfaction. 56th International Statistical Institute Conference, Lisbon, Portugal, August 22-29, 2007.
- 53 Manzi, G. and Mecatti, F., Bootstrap Algorithms for Risk Models with Auxiliary Variable and Complex Samples. Poster presented at the Intermediate Conference of the Italian Statistical Society, Venice, Italy, June 6-8, 2007 (poster presentation).
- 54 Ferrari, P.A., Annoni, P. and Manzi, G., Setting-up of indicators to measure and compare users' dissatisfaction: the case of public services in Europe. Evaluation and Customer Satisfaction for service excellence Conference, University of Rome "Tor Vergata", Rome, Italy, April 12-13, 2007.
- 55 Bocale, P. and Manzi, G., The change from OV to VO and the expansion of prepositions in Russian: a statistical investigation. Second International Perspectives on Slavistics Conference, Regensburg, Germany, September 21-24, 2006.
- 56 Manzi, G., Bootstrap Methods for Capture-Recapture Sampling. Intermediate Conference of the Italian Statistical Society, Messina, Italy, September 21-23, 2005.

Invited and solicited talks

- 1 Manzi, G. Forster, M., Biases in Bias Elicitation. 32nd European Meeting of Statisticians Conference, Palermo, Italy, July 22-26, 2019.

- 2 Chiodini, P.M., Vitalini, A., Manzi, G., Verrecchia, F., Some proposals for probabilistic sampling in rare disease studies, NetIBS-IR 2019, Naples, Italy, July 7th-10th, 2019.
- 3 Manzi, G., Big Data and Smart Mobility, CLADAG Satellite Event "Statistical Challenges in Big Data & Complex Systems", CLADAG 2017 Conference, University of Milan, Milan, Italy, September 12, 2017.
- 4 Manzi, G., Expert opinion-based adjusted meta-analysis for economics and business: an opportunity to reconcile economists views?, Department of Economics, Management and Quantitative Methods, University of Milan, Milan, Italy, November 26, 2014.
- 5 Manzi, G., Bias hierarchical modelling for multiple domains using survey estimates. Session 3B: Modern Bayesian method for public data analysis and production, ITACOSM 2013, ITALIAN CONFERENCE ON Survey Methodology, Milan, Italy, June 26-28, 2013.
- 6 Solaro, N., Barbiero, A., Manzi, G. and Ferrari, P.A., A sequential distance-based approach for imputing missing data: The forward imputation (Session ES33: Advances in distance-based methods and applications). Fifth International Conference of the ERCIM on Computing & Statistics (ERCIM 2012), Oviedo, Spain, December 1-3, 2012.
- 7 Manzi, G., Forster, M., Biases in Bias Elicitation. Invited Seminar, Department of Economics and Related Studies, The University of York, York, UK, February 8, 2012.
- 8 Ferrari, P.A., Annoni, P. and Manzi, G., A cross-country evaluation of Europeans' satisfaction for public services. Invited Seminar, Department of Statistics "L. Lenti", University of Pavia, Pavia, Italy, May 23, 2007.

Contributed talks in national conferences and workshops

- 1 Chiodini, P.M., Manzi, G., Martelli, B.M. and Verrecchia, F., La stima nei domini di studio territoriali: dall'allocazione di compromesso

all'Interior Point Nonlinear Programming [Small area domain estimation: from compromise allocation to Interior Point Nonlinear Programming]. MiLES2016, Labour, Enterprise and Society 2016, Milan, Italy, October 5, 2016 (poster presentation).

- 2 Manzi, G., Bootstrap Methods for Finite Populations. Workshop "The Statistical Research Abroad: Comparison of Experiences", Faculty of Economics, University of Turin, Turin, Italy, December 20, 2004.

Planning and organization of conferences/workshops and chairmanships

- 1 Member of the local committee of the Intermediate Conference of the Italian Statistical Society. Milan, June 19-21, 2019, Catholic University of the Sacred Heart.
- 2 Chairman at the conference "Information Technology Forum - 7th Edition" - Milan, February 20, 2019, UNAHOTELS Expo Fiera Milano.
- 3 Chairman at the conference "2008-2018, la città gira...e continua a girare. 10 anni di BikeMi a Milano ["2008-2018. The city goes....and continues to go. Ten years of BikeMi in Milan"] - Milan, December 13, 2018, University of Milan.
- 4 Chairman at the conference "Big Data & Analytics in Retail" - Milan, June 27, 2018, Hotel Garden Hilton.
- 5 Chairman at the presentation of the second satisfaction survey on "BikeMi", the Bike-Sharing System in Milan: Main results, October 2017, Graduation Room, Faculty Political, Economic and Social Sciences, University of Milan, Italy.
- 6 Chairman at the workshop "Smart Mobility in Smart Cities", Second edition, March 2017, Graduation Room, Faculty Political, Economic and Social Sciences, University of Milan, Italy.
- 7 Chairman at the workshop "Smart Mobility in Smart Cities", First edition, October 2014, Graduation Room, Faculty Political, Economic and Social Sciences, University of Milan, Italy.

- 8 Member of the local committee of ITACOSM13 - the 4th Italian Conference on Survey Methodology. Milan, June 26-29, 2013, University of Milan-Bicocca.

SOFTWARE

- 1 *GenForImp*: Generalized Imputation of missing values through a forward imputation algorithm, R package, 2015.
- 2 *SunterSampling*: Functions for drawing samples according to Sunter's sampling design, and for computing first and second order inclusion probabilities, R package, 2012.
- 3 *ForImp*: Imputation of missing values through a forward imputation algorithm, R package, 2011.
- 4 *BEES*: Bayesian Elicitation in Evidence Synthesis. A software for bias elicitation, 2008.

FUNDING, RESEARCH PROJECTS AND AGREEMENTS

- 1 Research grant No. CONTR_AMP18MFLOR.01, Agenzia Spaziale Italiana [Italian Space Agency]: "Cost-Benefit Analysis of the Italian Space Agency: Public Procurement and Innovation, Potential Benefits from the Use of Land Observation Data", 2018–
- 2 Research agreement with ClearChannel Italy: "BikeMi Project", 2018–
- 3 Research grant, Eupolis Lombardy Region, Italy, Soft loans for companies in the Finlombarda network, 2017.
- 4 Research grant 2016, University of Milan, Milan, Italy, 2017–.
- 5 Research grant 2015, University of Milan, Milan, Italy, 2016-17.
- 6 Jean Monnet Project "EUsers", European Commission, 2015.

- 7 Grant PRIN2008, MIUR, Italy: Statistical evaluation of quality and risk in public services: new multivariate methodologies, 2010-2011.
- 8 Tender No. IP/B/REGI/IC/2009-013, European Parliament - University of Milan, Milan, Italy: The Inter-Relationship between the Structural Funds and the Provision of Services of General Interest and Services of General Economic Interest, and the Potential for Cross-Border Service Delivery, 2009.
- 9 Grant 2009-ATE-0129, University of Milan, Milan, Italy: University Programme for Research (PUR), 2009–2013.
- 10 Grant U.1052.00.001, UK Medical Research Council, 2008: Bias modelling in evidence synthesis - Modelling biases in meta-analyses of interventions using formally elicited opinions.
- 11 Grant U.1052.00.005, UK Medical Research Council, 2008: Bias modelling in evidence synthesis - Empirical modelling of biases in small-area prevalence estimates using data from multiple surveys.
- 12 Grant U.1052.00.011, UK Medical Research Council, 2008: Bias modelling in evidence synthesis - Modelling dissemination biases in meta-analysis.
- 13 Project ”‘Implementazione analisi criminale’” (Crime Analysis Implementation), National Programme ”‘Security for the Growth of the Italian Southern Regions, 2000/2006’”’, Ministry of Home Affairs, Italy, 2008.
- 14 Sixth Framework Programme of the European Union: Understanding Privatization Policy: Political Economy and Welfare Effects, 2006-2007.
- 15 Grant No. 2004132117.005, COFIN2004, MIUR, Italy: Reduction methods and alternative models for the evaluation of services of general interest: new proposals and selection criteria, 2006-2007.
- 16 Project ”‘The instability of families within the agreement between generations in the ”‘strong’” family’””, Catholic University of Milan, Milan, Italy, 2006.

- 17 Grant received by the "Franca and Diego De Castro foundation", Italy. Research project: Bootstrap application to finite populations, 2005.

TEACHING/ASSISTING

University of Milan

- 1 Data Mining & Computational Statistics (postgraduate course, 60 hours, 9 credits), Master in Finance & Economics, Department of Economics, Management and Quantitative Methods, Spring 2019.
- 2 Statistics for Big Data (undergraduate course, 40 hours, 6 credits), Degree in Economics and Management, Department of Economics, Management and Quantitative Methods, Spring 2019.
- 3 Elements of Computational Statistics & Statistical Learning (postgraduate course, 30 hours), Master in Data Science for Economics, Business & Finance, Department of Economics, Management and Quantitative Methods, Winter 2019.
- 4 Statistics (undergraduate course, 40 hours, 6 credits), Degree in Labour Studies, Administration and Management, Faculty of Political, Economic and Social Sciences, Winter 2019.
- 5 Elements of Computational Statistics & Statistical Learning (postgraduate course, 20 hours), Master in Data Science for Economics, Business & Finance, Department of Economics, Management and Quantitative Methods, Spring 2018.
- 6 Machine Learning & Data Mining (postgraduate course, 10 hours, 2 credits), Master in Data Science for Economics, Business & Finance, Department of Economics, Management and Quantitative Methods, Spring 2018.
- 7 Data Mining & Computational Statistics (postgraduate course, 60 hours, 9 credits), Master in Finance & Economics, Department of Economics, Management and Quantitative Methods, Winter 2018.

- 8 Statistics (undergraduate course, 40 hours, 6 credits), Degree in Labour Studies, Administration and Management, Faculty of Political, Economic and Social Sciences, Winter 2018.
- 9 Data Mining & Computational Statistics (postgraduate course, 60 hours, 9 credits), Master in Economics & Finance, Department of Economics, Management and Quantitative Methods, Winter 2017.
- 10 Statistics (undergraduate course, 60 hours, 6 credits), Degree in Labour Studies, Administration and Management, Faculty of Political, Economic and Social Sciences, Winter 2017.
- 11 Data Mining & Computational Statistics (postgraduate course, 60 hours, 9 credits), Master in Economics & Finance, Department of Economics, Management and Quantitative Methods, Winter 2016.
- 12 Statistics (undergraduate course, 60 hours, 6 credits), Degree in Labour Studies, Administration and Management, Faculty of Political, Economic and Social Sciences, Winter 2016.
- 13 Data Mining & Computational Statistics (postgraduate course, 60 hours, 9 credits), Master in Economics & Finance, Department of Economics, Management and Quantitative Methods, Winter 2015.
- 14 Statistics (undergraduate course, 50 hours, 6 credits), Degree in Labour Studies, Administration and Management, Faculty of Political, Economic and Social Sciences, Winter 2015.
- 15 Statistics (undergraduate course, 60 hours, 9 credits), Degree in Organisation and Human Resources, Faculty of Political, Economic and Social Sciences, Winter 2014.
- 16 Statistics (undergraduate course, 60 hours, 9 credits), Degree in Organisation and Human Resources, Faculty of Political, Economic and Social Sciences, Winter 2013.
- 17 Data Analysis (postgraduate course, 60 hours, 9 credits), Degree in Public and Corporate Communication, Faculty of Political, Economic and Social Sciences, Fall 2012.

- 18 Statistics (undergraduate course, 60 hours, 9 credits), Degree in European Economics, Faculty of Political Sciences, Spring 2012.
- 19 Statistics (undergraduate course, 60 hours, 9 credits), Degree in Organisation and Human Resources, Faculty of Political Sciences, Winter 2012.
- 20 Statistics (undergraduate course, 60 hours, 9 credits), Degree in Organisation and Human Resources, Faculty of Political Sciences, Winter 2011.
- 21 Statistics (undergraduate course, 60 hours, 9 credits), Degree in Organisation and Human Resources, Faculty of Political Sciences, Fall 2009.
- 22 Statistics (undergraduate course, 60 hours, credits), Degree in Political Sciences, Faculty of Political Sciences, Fall 2009.
- 23 Statistics (undergraduate course, 60 hours, 9 credits), Degree in Organisation and Human Resources, Faculty of Political Sciences, Spring 2009.
- 24 Statistics (Assistant - undergraduate course, 60 hours, 9 credits), Degree in Administrative Sciences, Faculty of Political Sciences, Spring 2007.
- 25 Statistics (Assistant - undergraduate course, 60 hours, 9 credits), Degree in Organisation and Human Resources, Faculty of Political Sciences, Fall 2006.

University of Verona

- 1 Statistics (undergraduate course, 48 hours, 9 credits), Degree in Business Administration, Faculty of Economics, Winter 2014.

University of Milan-Bicocca

- 1 Introduction to the R programming (postgraduate course, 21 hours), Master Degree in Analysis of Sociological Processes, Department of Sociology and Social Research, Fall 2017.

- 2 Alternatives to R (postgraduate course, 12 hours), PhD Programme in Statistics, Faculty of Statistics, Spring 2011.
- 3 Statistical Tools (Assistant - undergraduate course, 20 hours, 3 credits), Degree in Sociology, Faculty of Sociology, Winter 2006.
- 4 Statistical Tools (Assistant - undergraduate course, 20 hours, 3 credits), Degree in Sociology, Faculty of Sociology, Fall 2006.
- 5 Bivariate Analysis (Assistant - undergraduate course, 20 hours, 3 credits), Degree in Sociology, Faculty of Sociology, Spring 2006.
- 6 Bivariate Analysis (Assistant - undergraduate course, 20 hours, 3 credits), Degree in Sociology, Faculty of Sociology, Spring 2005.
- 7 Statistics (postgraduate course, 16 hours, 3 credits), Master Degree in Marketing Research and Opinion Surveys, Faculty of Statistics, Spring 2005.
- 8 Statistical Tools (Assistant - undergraduate course, 20 hours, 3 credits), Degree in Sociology, Faculty of Sociology, Fall 2004.

University of Turin

- 1 Statistics (undergraduate course, 30 hours, 6 credits), Degree in Economics, Faculty of Economics, Winter 2005.
- 2 Statistics (Assistant - undergraduate course, 40 hours, 6 credits), Degree in Economics, Faculty of Economics, Fall 2001.
- 3 Statistics (Assistant - undergraduate course, 40 hours, 6 credits), Degree in Economics, Faculty of Economics, Fall 2000.

MEMBERSHIPS IN PHD AND MASTER PROGRAM COMMITTEES

- 1 MSc in Data Science and Economics, from Fall 2018, University of Milan.

- 2 2nd-level Master Program in Data Science for Economics, Business and Finance, University of Milan, from Winter 2017 (as a member), from April 15th, 2018 (as coordinator).
- 3 MSc in Finance and Economics, from Fall 2014, University of Milan.
- 4 PhD Program in Economics, University of Milan and University of Pavia, from Winter 2013.
- 5 PhD Program in Statistics, University of Milan-Bicocca, 2009–2013.

MEMBERSHIPS IN RESEARCH CENTERS

- 1 DATA SCIENCE RESEARCH CENTER, from Winter 2018, University of Milan.

THESIS SUPERVISION

- 1 No. of Master Thesis supervisions: 29.
- 2 No. of Master Thesis co-supervisions: 22.
- 3 No. of Laurea (4-year program) Thesis co-supervisions: 2.
- 4 No. of Laurea (Undergraduate program) Degree Thesis supervisions: 23.

ITALIAN MINISTRY OF EDUCATION QUALITY OF RESEARCH EVALUATION - ANVUR/MIUR

- 1 Period 2011-2014: $1+0.7=1.7$ (Evaluation for two presented articles: Excellent; High).
- 2 Period 2004-2010: $0.8+0.8=1.6$ (Evaluation for two presented articles: Good; Good).

SERVICE

Editorial Work

- 1 Referee, Journal of Behavioral and Experimental Economics, 2019–.
- 2 Referee, Statistica Applicata - Italian Journal of Applied Statistics, 2019–.
- 3 Referee, STATISTICA, 2019–.
- 4 Referee, Annals of Public and Cooperative Economics, 2017–.
- 5 Referee, Transport Policy, 2016–.
- 6 Referee, PLOS ONE, 2016–.
- 7 Referee, Annals of Operations Research, 2014–.
- 8 Referee, ClaDAG Springer Book - Studies in Classification, Data Analysis, and Knowledge Organization - 2013–.
- 9 Referee and research project reviewer, Italian Ministry of Education, University and Research, 2011-2014.
- 10 Referee, Electronic Journal of Applied Statistical Analysis, 2010-2011.
- 11 Referee, International Journal of Image Processing, 2009-2010.

Professional Societies

- 1 Member, Italian Statistical Society Committee for the Evaluation of Statistical Research Quality, 2009-2010.

Service at the University of Milan

- 1 Member of the steering committee of the "CEEDS - Center of Excellence in Economics Departments" project - Department of Economics, Management and Quantitative Methods - July 2018–.

- 2 Director of the Master in Data Science for Economics, Business & Finance, Department of Economics, Management and Quantitative Methods, from April 15th, 2018.
- 3 Contributor to the development of the "Excellence Departments" project - Department of Economics, Management and Quantitative Methods - May-October 2017.
- 4 Member of the "Riesame" Committee, Excellence Departments" project - 2015-.
- 5 Member of the Joint Teaching Committee ('Commissione Paritetica'), Department of Economics, Management and Quantitative Methods, 2015-2017.
- 6 Member of the Restricted Committee of the Department of Economics, Management and Quantitative Methods ('Giunta del Dipartimento'), 2015-2016.
- 7 Member of the Directing Committee of the Faculty of Political, Economic and Social Sciences, 2015-2016.
- 8 Member of the Restricted Committee on Teaching Evaluation of the Department of Economics, Management and Quantitative Methods ('Commissione Didattica del Dipartimento'), 2015-2016.
- 9 Tutor for outgoing Erasmus+ students, Master in Economics & Finance, 2015-.
- 10 Member, Erasmus Committee, Faculty of Political Sciences, 2009-2011.
- 11 Editor, Annual Report on Departmental Research, Department of Economics, Business and Statistics, 2009-2011.
- 12 Editor, Departmental working papers series, Department of Economics, Management and Quantitative Methods, 2011-.

INTERNATIONAL REFERENCES

Prof. Simon G. Thompson
Director of Research in Biostatistics

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Institute of Public Health
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Medical Research Council Biostatistics Unit
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