



BRUNO RICCA

PERSONAL DATA

LAST NAME: Ricca

First Name: Bruno

Telephone Office: +39.0906766184

Email 1: bruno.ricca@unime.it

Date of Birth: 29 June 1963

Nationality: Italian

ACADEMIC POSITION

- From 1995 Researcher of Economic Statistics - University of Messina (Italy)

EDUCATION

- 13 June 1985, degree in Statistical and Demographic Sciences at the University of Messina (Italy).
- 07 June 1989 winner of the Bonino-Puleyo scholarship on the topic: "Multivariate Statistical Analysis", at the Naval Institute of the University of Naples (chairs of Profs. D. Lucev and C. Quintano);
- 16 September 1994 Course: "Generalized Linear Models" organized by the Biometric Society, Statistical Department of the University of Florence;
- 10-17 October 1994 Course: "Modern Methods of Environmental Data Analysis" organized by the Department of Statistics of the University of Venice (chair of Prof. Mantovano);
- 17-24 October 1995 Course: "Modern Methods of Economic Data Analysis" organized by the Department of Statistics of the University of Venice (chair of Prof. Mantovano);
- 1998, PhD in "Environmental Statistics", University of Messina (Italy).

ACADEMIC ACTIVITIES

1. MEMBER OF THE BOARD OF TEACHERS OF THE DOCTORATES

- 2003-2004: doctorate in "Statistical Quality Control" XIX cycle (DOT0314294), University of Messina;
- 2006-2008: doctorate in Economics, Business and Quantitative Methods, XXII cycle (DOT0614213), University of Messina;

- From 2021: international innovative research doctorate in "Global Studies for an Inclusive and Integrated Society. Global culture, Digital Transformation, Diversity Inclusion and Social Innovation for Development (DOT17E9258), University for Foreigners "Dante Alighieri" of Reggio Calabria - XXXVII cycle (Duration: three academic years starting from 2021/2022).

2. TEACHING ACTIVITIES IN UNIVERSITY COURSES (UNIVERSITY OF MESSINA)

- 1995-2002: Tutorial course of Economic Statistics and National Accounting in the degree courses of Economics and Commerce and Banking Economics;
- 2003-2005: Courses of: "Economic Statistics" (Degree Course of Tourism Economics); "Statistical Quality Control" (Degree Courses of Tourism Economics and Financial and Insurance Banking Economics) and "Technical Research and Data Processing" (Degree Course in Banking, Financial and Insurance Economics);
- 2006-2009: Courses of: "Statistical Methods for the company" (degree course in Tourism Economics); "Statistical Methods for the economy and for the company Data" (Degree course in Banking, Financial and Insurance Economics); "Multivariate Analysis of Economic Data" (Course in Banking, Financial and Insurance Economics and Economic Sciences for the Environment and Culture); "Historical Series and Environmental Accounting" (Course in Economic Sciences for the Environment and Culture) and "Univariate and Multivariate Statistical Analysis of Economic Data" (Course in Economics and Computational Statistics);
- 2010-2019: Course of "Univariate and multivariate analysis of economic data" in the Master's Degrees.
- From 2020: to today Course of "Advanced statistical techniques for business decisions" in the consulting and management master's degree course.

3. OTHER TEACHING ACTIVITIES

- 2000-2002: "Economic Statistics" at the School of Specialization in Economic Law, the University of Messina
- 2007: "Statistical Quality Control" in the Master: "Economics of the agri-food system and enhancement of quality production" organized by the SEAM Department of the University of Messina;
- 2011: "Basic statistics" in the Master: "Expert in the organization and management of freight and passenger mobility systems", University of Messina

- 2018: "Statistical techniques for evaluating the economic-financial performance of companies", as part of the Advanced Training Course for Experts in Corporate Finance included in the list of higher vocational training of the Calabria Region (courses of Higher Education) and organized at the University for Foreigners "Dante Alighieri" of Reggio Calabria.
- 2022: "Basic statistics for operational research" - Teaching within the training activities of the XXXVII cycle of the innovative international research doctorate in "Global Studies for an Inclusive and Integrated Society. Global culture, Digital Transformation, Diversity Inclusion and Social Innovation for Development "- University for Foreigners" Dante Alighieri "of Reggio Calabria - duration 12 hours (2 CFU)

4. SEMINAR ACTIVITY

- 18.9.2006 Speaker in the Seminar "Customer Relationship Management and Customer Satisfaction", organized by the Department of Economics of the University of Messina, Fiuggi (FR).
- 3.12.2007 Speaker in the National University Committee Meeting, with a report entitled: "Orientation and teaching as evaluation", University of Bologna
- 23.10.2008 Speaker in the Seminar on the evaluation of university orientation, "Operational tools for the evaluation of orientation" University of Messina

5- OTHER INSTITUTIONAL ACTIVITIES

- 2004-2013 he was delegate of the Faculty of Economics of the University of Messina as a member of the Faculty Statistical Office;
- 2018 Member of the Selection Committee for admission to the XXXVI cycle of the innovative international PhD in "Global Studies for an Inclusive and Integrated Society. Global culture, Digital Transformation, Diversity Inclusion and Social Innovation for Development" - University for Foreigners "Dante Alighieri "of Reggio Calabria
- 2021 Member of the Selection Committee for admission to the XXXVII cycle of the innovative international research doctorate in "Global Studies for an Inclusive and Integrated Society. Global culture, Digital Transformation, Diversity Inclusion and Social Innovation for Development" - University for Foreigners "Dante Alighieri "of Reggio Calabria.

REPORT AT CONFERENCE

1. Participation as a speaker:

- 1996: participated in the Doctoral Students Session of the XXXVIII Scientific Meeting of the SIS, Rimini ":
- 1-5 June 1998: IV National Congress SIMAI (Italian Society of Applied and Industrial Mathematics) presented the report: "Forecast of air pollution: a comparison of univariate not linear neural network and linear ARIMA models",
- 7-9 October 1998: XIX Italian Conference of Regional Sciences AISRE, L'Aquila, presented the report: "The contribution of local administrations to the employment of the Italian regions";
- 20-22 September 2000: XXI Italian Conference of Regional Sciences AISRE, Palermo, presented the report: "Future prospects of the Messina fair, nationally and internationally, in the era of the web economy and e-commerce", published on CD-ROM (ISBN 88-87788-00-6) and on the internet at the website www.ipiget.na.cnr.it/aisre.htm;
- 13-15 October 2002: XV AISRE Conference, REGGIO CALABRIA, presented the report: "The measurement of well-being between growth and development: the case of the Italian regions";
- 23-25 June 2009: XXIV National Congress of Commodity Sciences "Environment, Internationalization, Systems, Goods, Energy", Turin, presented a report entitled: "Definition of an evaluation system aimed at the continuous improvement of the quality of university context ";
- 1-6 December 2014: International scientific conference EBM - Conetmporary issues in economics, business and management, Krakujevac (Montenegro) presented a paper entitled: "Environmental management system as a driver for eco-innovations: experiences in Italian organizations";
- 7-8 June 2018: ICoM 2018 8th INTERNATIONAL CONFERENCE ON MANAGEMENT "Leadership, Innovativeness and Entrepreneurship in a Sustainable Economy", Czestochowa (Poland), presented a paper entitled: "Discovering variables that affect the survival of young firms: an empirical survey on Italian companies "
- 25-26 June 2015: at the study conference "Creating Sustainable Businesses in Mediterranean Countries Theories, Tools and Success" held in Milan on the occasion of the BIC-Italia Net Congress & EBN AGM Annual General Meeting, # Expo2015, presented the report: "Requirements of real and financial services by innovative Italian start-ups. Results of an empirical study (Co-authors A. Del Pozzo and S. Loprevite),

- 21-22 September 2017, at the 13th Interdisciplinary Workshop on Intangibles and Intellectual Capital. Value creation, Integrated reporting and Governance, Ancona, Italy, presented the report: "The Value Relevance of the Integrated Reports Under The Framework of IIRC: Empirical Evidence from a Sample of European Companies",
- 13-15 July 2021, at the 27th Annual Conference, of the International Sustainable Development Research Society ("Accelerating the progress towards the 2030 SDGs in times of crisis"), Östersund, Sweden presented a paper entitled: "Rule-based and principle-based compliance in Non-Financial Reporting: a possible convergence path? ", (co-authors: S. Loprevite, D. Rupo, D, Raucci).

2. Other conference activities

- 15.12.1995 Organizer and speaker at the study day on environmental issues, organized at the Department of Statistics of the University of Messina
- 21-23.9.2005 he participated in the organization as a member of the organizing committee of the Intermediate Conference of the Italian Statistical Society at the University of Messina.
- 21-23 September 2005 Discussant in the session "The dimensions of sustainable development: information needs and methodological perspectives", Intermediate conference SIS (Italian Statistical Society), "Statistics and environment, University of Messina;

ACADEMIC AFFILIATIONS

- 1999-2005: "Società italiana di economia demografia e statistica" (SIEDS)
- 2005-2007: "Società italiana di statistica" (SIS)

OTHER ACTIVITIES

- 1997-1999: he participated at the SMAURN project funded by the Calabria region, under the POP 94/99 measure 4.4, with the following tasks: Research and calibration of a model based on Neural Networks and data processing relating to atmospheric pollution in the area of Villa S.Giovanni;
- 2002-2005: component of the VER12 initiative of the ICARO Project, funded under the PON by MIUR, he carried out the monitoring project of university orientation actions and the relative database, participating in the drafting of the final report.
- 2004: he was appointed by the CORTA (Center for guidance and tutoring of the University of Messina) as "expert in the development of result and impact indicators";
- 2006: member of the VER20 initiative of the ICARO Project and of the VAL Project (Val.Ori.) For the evaluation of guidance actions funded by MIUR, again in the context of the PON;
- 2006-2013: member of the University Statistical Center of the University of Messina;
- 2008-2013 member of the OFCI University Commission for monitoring the flows of enrolled students at the University of Messina.

SCIENTIFIC PUBLICATIONS

- "The contribution of local administrations to the employment of the Italian regions", presented at the XIX Italian Conference of Regional Sciences, L'Aquila (Italy), 7-9 October 1998
- "Forecast of air pollution: a comparison of univariate not linear neural network and linear ARIMA models", presented at the IV National Congress of the Italian Society of Applied and Industrial Mathematics, Giardini Naxos (Italy), 1-5 June 1998
- "Forecast of the states of attention and alarm relating to atmospheric pollutants: The case of Villa S. Giovanni", published in the notebooks of the Department of Statistics of the University of Messina (Italy), 1999
- "Reflections on the trend of cement production and investments in construction for the years 1981-1996, in the national and territorial economic context", published in the annals of the Faculty of Economics and Commerce of the University of Messina (Italy), 1999
- "Productivity and efficiency in the Public Administration: the case of public health", published in the annals of the Faculty of Statistics of the University of Messina (Italy), 1999
- "Survey on the student population of the Faculty of Economics of the University of Messina", published for the Faculty of Economics of the University of Messina (Italy), 1999
- "Future prospects of the Messina fair, nationally and internationally, in the era of the web economy and e-commerce", XXI Italian Conference of Regional Sciences, Palermo (Italy), September 2000 published on CD-ROM (ISBN 88-87788 -00-6) and on the internet at the website www.ipiget.na.cnr.it/aisre.htm
- "Management of uncertainty in environment problems: technical aspects and policies" B. Ricca, D. Marino, C.F. Morabito, Chapter 12 of the book "Handbook of management under uncertainty", by Jaime Gil Aluja University of Barcelona, KLUWER Academic Publishers, Dordrecht, The Netherlands, 2001
- "1st survey on the professional integration of research doctors" - MURST: Operational Program for Research, Technological Development and Higher Education 1994-1999 - University of Messina, Andrea Lippolis publisher Messina (Italy), 2002
- "The measurement of well-being between growth and development: The case of the Italian regions", in collaboration with Mario Monastero and Nino Genovesi, AISRE 2002 Congress: "Cities and territories between identity and globality", Reggio Calabria (Italy), 10-12 October 2002. Published on CD (isbn 88-8778803-0) and available in its complete

dashboard version on the internet at the site:

http://esl.jrc.it/envind/regioni_italiane.htm

- "Pollution from urban traffic monitoring systems and limitation policies: an environmental economy approach", Italian Scientific Editions, 2002. Chapter 3 in collaboration with: D. Marino, F.C. Morabito, M.Salzano and Chap. 5 par. 4.
- "Considerations on the Alma Laurea sample of graduates in the Faculty of Economics of the University of Messina", Annals of the Faculty of Economics, University of Messina (Italy), 2002
- "Reflections on some quantitative and qualitative aspects of the Faculty of Economics of the University of Messina: the "STUDEME "and" QUNI "surveys, Lippolis editore, Messina (Italy), 2004
- "Economic development, environment and well-being: a multi-criteria indicator", Chapter 10 in "The environmental sustainability of the territory", in collaboration with M. Monastero and A. Genovesi, UTET, Turin (Italy), 2005
- "Lost and delayed, which orientation in a loyalty perspective", page 295 in VI international Conference of Stochastic Geometry, supplement to the accounts of the Mathematical Circle of Palermo (Italy), 2008, with A.Miceli
- "Definition of an evaluation system aimed at continuous improvement of the quality of university services", page 605 of the volume Environment, Internationalization, Systems, Goods, Energy, CELID Editore Turin (Italy), with L. Ciruolo, G. Saija , R. Salomone,
- "Environmental Management and Technology Innovations to Design New Strategies for Competitive Advantages", page 145 of the volume Global and regional challenges of the 21st century economy. Studies from economics and management., Publisher Cracow University of Economics, Poland, with L. Ciruolo, G. Saija, R. Salomone,
- "Interpretation of categorical data of a questionnaire survey: a combined approach with multiple correspondence analysis and cluster analysis", Collection of studies and research. P. 223-250, MESSINA: University of Messina (Italy), Department of Economic and Business Studies and Research and Environmental Section of Economics and Business Management, 2014, ISBN: 9788890456664
- "Environmental management system as a driver for eco-innovations: experiences in italian organizations", in: Contemporary issues in economics, business and management - ebm 2012. vol. 1, p. 65-86, Kragujevac: Interprint, con Roberta Salomone, Giuseppe Saija, Giuseppe Ioppolo. ISBN: 978-86-6091-049-5, Kragujevac, 01-06 / 12/2014

- "The value relevance of balance sheet information on impaired loans: the case of Italian banks". DOI: 10.13132 / 2038-5498 / 7.3.221.235. pp. 219-235. In Online Business Administration - ISSN: 2038-5498 vol. 7 with Salvatore, Loprevite, 2016.
- "Potential and Limitations of D.E.A. as a Bankruptcy Prediction Tool in the Light of a Study on Italian Listed Companies ". DOI: 10.12988 / ams.2017.77216. pp. 2185-2207. In Applied Mathematical Sciences - ISSN: 1312-885X vol. 11 (41-44), 2017, with Condello S.; Del Pozzo A.; Loprevite S.
- "The Value Relevance of the Integrated Reports Under The Framework of IIRC: Empirical Evidence from a Sample of European Companies". pp.1-18. In Interdisciplinary Workshop on intangibles, intellectual capital and financial information - ISSN: 2295-1679, 2017, with Loprevite, S .; Rupo, D .
- "Integrated Reporting Practices in Europe and Value Relevance of Accounting Information under the Framework of IIRC". DOI: 10.5539 / ijbm.v13n5p1. pp. 1-12. In International Journal of Business and Management- ISSN: 1833-3850 vol. 13 (5), 2018, with Loprevite S.; Rupo D.
- "Discovering variables that influence the survival of young firms: A survey on Italian companies". pp. 438-443. In Leadership, Innovativeness and Entrepreneurship in a Sustainable Economy - ISBN: 978-83-65951-28-1, 2018, with Nicolo ' D.
- "Performance Sustainability and Integrated Reporting: Empirical Evidence from Mandatory and Voluntary Adoption Contexts". DOI: 10.3390 / su10051351. pp.1-15. In SUSTAINABILITY - ISSN: 2071-1050 vol. 10 (5; Article number 1351), 2018, with Loprevite S.; Rupo D.
- "Under-capitalization and other factors that influence the survival of young Italian companies". pp. 37-51. In Intenational journal of advances in management and economics- ISSN: 2278-3369 vol. 08, 2019, wiyh Nicolo D.
- "Optimization processes analysis in the sciences applied by cutting plane problems with non-uniform distributions", Far East Journal of Applied Mathematics, Pushpa Publishing House, Prayagraj, India <http://www.pphmj.com>, [http:// dx. doi.org/10.17654/AM103010029](http://dx.doi.org/10.17654/AM103010029), Volume 103, Number 1, 2019, Pages 29-36 ISSN: 0972-0960, 2019, with David Barilla, Giuseppe Caristi
- "Does the voluntary adoption of integrated reporting affect the value relevance of accounting information? Empirical evidence from Europe ". DOI: 10.1504 / IJMFA.2019.104131. pp. 238-268. In International Journal of

Managerial and financial accounting - ISSN: 1753-6715 vol. 11 (3-4), 2019, with Loprevite S.; Rupo D.

- "Social vocation and economic-financial performance: empirical evidence referring to Italian start-ups". pp. 105-136. In Social vocation, profit and new hybrid business models. Paradigms and realities from an economic-business perspective - ISBN: 978-88-351-0680-7, 2020, with Lo Previte, S.
- "Techniques for the synthesis of the company's economic-financial performance. A comparison between DEA, ACP and ACP-DEA ". pp. 199-226. In Economics, Territory and Business - ISBN: 9791259945211 vol. 1, 2021.
- "Investigating the marginal impact of ESG results on corporate financial performance", In Finance Research Letters, ISSN 1544-6123, <https://doi.org/10.1016/j.frl.2022.102828>. (<https://www.sciencedirect.com/science/article/pii/S1544612322001283>) 2022, with Maria Giuseppina Bruna, Salvatore Loprevite, Domenico Raucci, Daniela Rupo

April 2022

(Bruno Ricca)