

CATERINA MARINI

Curriculum Vitae

OFFICE CONTACT INFORMATION

Department of Economics and Finance
University of Bari Aldo Moro
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Bari (Italy)
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CURRENT POSITION

Jan. 2009 – present *Assistant Professor* in Economic Statistics, Department of Economics and Finance, University of Bari Aldo Moro, Bari (Italy)

RESEARCH AFFILIATIONS

2005 – Present Italian Society of Statistics (SIS)
2009 – 2018 Royal Economic Society
2023 Applied Statistics Association

EDUCATION

2004 – 2008 *Ph.D. in Statistics*, University of Bari (Italy) and University of York (UK)
Thesis: “A comparison of Italian and UK household consumption behaviour: The Indirect Translog System”.
Supervisor: Prof. Vittorio Nicolardi. Ph.D. Mentor: Prof. Peter Simmons.

2006 – 2007 *Visiting Ph.D. Student* (Full time), Department of Economics and Related Studies, University of York. Supervisor Prof. Peter Simmons

1993 – 2000 *MSc in Economic Statistics*, First class honours, Univ. of Bari (Italy)
Dissertation: “National Accounting and Econometric Models: The Model of the Bank of Italy”

PROFESSIONAL TRAINING (last 5 years)

2017 3rd International Winter School on Big Data, Computer Science Department, Univ. of Bari (Italy)

FIELDS OF INTEREST

Applied Macroeconomics, Labour Market Analysis, Household Economics, Multiequational consumption systems, Time Series Analysis, Big Data Technique of Analysis, National Accounts, Input-Output Analysis.

RESEARCH ACTIVITY

National Level

2020: Member of national scientific research group for the national research project “*Sectorial Analysis for the mobility based on National Territorial Accounts*”.

2015 – 2020: Member of the national scientific group for the Italian research programme fund PRIN 2015 (Research Project of Relevant National Interest): *Metropolitan areas and their territorial economic strategies, financial limits and circular economy*.

2006– 2008: Member of the national scientific group for the Italian research programme fund PRIN 2006: *Production and labour flexibility: evidence from the introduction of new employment contracts in the Italian labour market*.

2004 – 2005: Scientific Co-coordinator for the National Statistics System, ISTAT in the research

project: The economic and industrial structure of the metropolitan city of Taranto

University of Bari Aldo Moro

- 2021: Member of the local scientific group for the Horizon Europe Seeds research project: Digital transformation and automation of work: use and effects on the labour market
- 2011 – 2012: Member of the local scientific group for the research project: Territorial statistical analysis of urban poverty by new indexes of socio-economic needs
- 2010 – 2011: Member of the local scientific group for the research project: Analysis of the effectiveness that the new temporary contracts experienced in the Italian labour market, mainly referred to young employment in Apulia and the metropolitan area of Brindisi.

PUBLICATIONS

- “Italian Labour Market reforms and gender inequalities” (with Vittorio Nicolardi), 2023, in *Statistical methods for evaluation and quality: techniques, technologies and trends*, Book of Short Papers IES 2023, edited by A. Bucci, A. Cartone, A. Evangelista. and A. Marletta, pp. 185 – 190. ISBN 9791280333698.
- “Evaluating the Impact of a Railway Area Recovery on Housing Values: A Feasibility Study Analysis for an Urban Italian City” (with Vittorio Nicolardi and Elisabetta Venezia), 2022, **L'Industria**, 2, pp. 339-361, ISSN: 0019-7416, doi: 10.1430/104340
- “Administrative database and official statistics: an IT and statistical procedure” (with Vittorio Nicolardi), in *SIS 2022. 51st Scientific Meeting of the Italian Statistical Society. Book of the Short Papers*, edited by A. Balzanella, M. Bini, C. Cavicchia, R. Verde, 2022, pp. 1613-1618, Pearson. ISBN: 9788891932310
- “Administrative database and official statistics: The case of the real estate analysis” (with Vittorio Nicolardi), in **Italian Journal of Applied Statistics**, 33, 2021, pp. 83-95. ISSN: 1125-1964, DOI: 10.26398/IJAS.0033-004
- “Evaluation of Urban Areas and a New Real Estate Database” (with Vittorio Nicolardi and Elisabetta Venezia), in *New Economic & Statistical Perspectives on Urban and Territorial Themes (NETSPUTT 2019)*. Book of Short Paper and Proceedings, edited by Borgoni R., Michelangeli A., 2020, pp. 100-107. ISBN: 9788833592091.
- “Big data and Economic Analysis: The Challenge of a Harmonised Database” (with Vittorio Nicolardi), in **Data Science and Social Research – II DSSR 2019. Studies in Classification, Data Analysis, and Knowledge Organization**, edited by P. Mariani and M. Zenga, 2019, pp. 235-246, Springer Nature. ISBN: 978-3-030-51221-7; ISSN: 1431-8814; DOI: 10.1007/978-3-030-51222-4_18.
- “Big data and the real estate market: Benefits for public administrations and corporations” (with Vittorio Nicolardi and Elisabetta Venezia) in *Proceedings of the 2019 International Conference on Big Data in Business*, 2019, pp. 215-220. ISSN 2632-6132.
- “Harmonised Administrative Databases: a new approach in the era of Big Data” (with Vittorio Nicolardi) in *ASA CONFERENCE 2019 - Statistics for Health and Well-being. Book of the Short Papers*, 2019, pp.161-164. ISBN:978-88-5495-135-8.
- “Household Consumption Behaviour: a cross-country comparison for Italy and the UK.”, contributed paper at the Royal Economic Society 2010 Conference, University of Surrey, Guildford (UK). Paper available at the web page:
https://editorialexpress.com/cgi-bin/conference/download.cgi?db_name=res2010&paper_id=479
- “Consumption habits and comparison of the performances of two flexible functional forms. An application to Italian consumer demand” (with Vittorio Nicolardi), in *Annali del Dipartimento di Scienze Statistiche Carlo Cecchi. University of Bari Aldo Moro*, 9, 2010, pp. 199-219. ISBN-978-88-6129-665-7.
- “Simultaneously Balancing Supply-Use Tables at current and constant prices” (with Vittorio Nicolardi), in *Annali del Dipartimento di Scienze Statistiche Carlo Cecchi University of Bari Aldo Moro*, 9, 2010, pp. 111-131. ISBN-978-88-6129-665-7.

NON-ENGLISH PUBLICATIONS

IN ITALIAN

- “Livelli e probabilità di transizione del mercato del lavoro: alcune evidenze degli effetti del JOBS ACT sull’occupazione in Italia” [*Magnitude and transition probabilities in the labour market: some evidence of the effects that the JOBS ACT had on the Italian employment*] (with Vittorio Nicolardi), in “Economia, Istituzioni, Etica e Territorio. Casi di studio ed esperienze a confronto”, edited by E. Toma 2018, pp. 55-78, FrancoAngeli Editore, MILANO. ISBN: 978-88-917-7938-0
- “Giovani lavoratori e contratto di apprendistato. Evidenza italiana” [*Young workers and the apprenticeship contract: Italian outcomes*] (with Vittorio Nicolardi), in *Metodi e Analisi Statistiche*, 2018, pp.57-81. ISBN:978-88-6629-048-3.
- “Database del mercato del lavoro a confronto: possibile integrazione per una analisi dinamica dell’occupazione” [*Labour Forces database Comparison: a possible integration for a dynamic analysis of employment phenomenon*] (with Vittorio Nicolardi), in *Metodi e Analisi Statistiche*, 2017, pp. 127-149. ISBN-978-88-66290-13-1.
- “L’aggiornamento di strutture di Contabilità Nazionale disaggregate” [*The update of the disaggregated National Accounting tools*] (with Vittorio Nicolardi), in *Metodi e Analisi Statistiche*, 2016, pp. 131-146. ISBN-978-88-88793-99-3.
- “Rapporti di lavoro non standard: impiego, utilità e criticità” [*Non-standard job contracts: use, utility and lack*] (with Vittorio Nicolardi and Giovanni Vannella), in “Studi in ricordo di Carlo Cecchi - University of Bari Aldo Moro”, 2015, pp. 131-152. ISBN-978-88-88793-67-2.
- “Analisi strutturale dell’impatto delle collaborazioni coordinate e continuative nel mercato del lavoro italiano” [*Structural Analysis of the temporary job impact upon the Italian job market*] (with Giovanni Vannella), in “Annali del Dipartimento di Scienze Statistiche Carlo Cecchi. Università degli Studi di Bari Aldo Moro”, 10, 2011, pp. 105-129. ISBN-978-88-6129-833-0.
- “Rilevazioni continue sulle forze di lavoro e lavoro flessibile in Italia: potenzialità e criticità” [*Continuous Survey of Labour Forces and temporary job positions in Italy: potentialities and issues*] (with Gabriella Leone and Giovanni Vannella), in “Annali del Dipartimento di Scienze Statistiche Carlo Cecchi. University of Bari Aldo Moro”, 9, 2010, pp. 331-356. ISBN-978-88-6129-665-7.
- “Rapporti di lavoro atipici. Una stima su dati ISTAT per il periodo 2004-2007” [*The atypical employment contracts. An analysis over the period 2004 – 2007 from ISTAT dataset*] (with Vittorio Nicolardi), in “La Flessibilità del Lavoro: un’analisi funzionale dei nuovi strumenti contrattuali”, edited by M.G. Garofalo e G. Leone, 2009, pp. 263-293. ISBN: 978-88-8422-875-8
- “Elasticità e modelli multiequazionali di spesa. Un’analisi comparative” [*Elasticity and multiequational expenditure models. A comparative analysis*] (with Vittorio Nicolardi), in “Annali del Dipartimento di Scienze Statistiche, University of Bari”, 5, 2006, pp. 337-373. ISBN: 978-88-88793-34-4.
- “L’effetto dell’aggregazione delle tipologie di consumo sulla significatività dei modelli multiequazionali di spesa” [*The effect of commodity aggregation on the significance of the multiequational models of consumption*] (with Vittorio Nicolardi), in “Annali del Dipartimento di Scienze Statistiche, University of Bari”, 4 , 2005, pp. 369-408. ISBN: 978-88-88793-33-7.
- “Il sistema delle imprese della provincia di Taranto” [*Industrial and Economic System in the metropolitan area of Taranto*], in “Giornate di studio sull’economia tarantina – Atti del convegno 2003”, 2005, pp. 81-113.
- “Analisi statistica territoriale della provincia di Taranto” [*Socio-Economic Statistical Analysis of the metropolitan area of Taranto*] (edited with Vittorio Nicolardi), in “National Statistics System Bulletin, 2, 2005.
- “Know-how locali e attività d’impresa in alcuni settori produttivi tradizionali pugliesi” [*Traditional production processes in Apulia: local know-how and enterprise*] (with Vittorio Nicolardi), in “Saperi locali, innovazione e sviluppo economico. L’esperienza del Mezzogiorno”, 2003, pp.170 -196. Milano: Franco Angeli Editore. ISBN: 88-464-4435-3.

- “Analisi statistica territoriale della provincia di Taranto” [*Socio-Economic Statistical Analysis of the metropolitan area of Taranto*] (edited with Vittorio Nicolardi), in “National Statistics System Bulletin, 1, 2002.

WORK IN PROGRESS

- “Labour Forces Data: a potential merging approach of diverse administrative sources.”
- “How big data can change the analysis of economy.”.

PRESENTATIONS at CONFERENCES and SEMINARS

6 – 8 September 2023	ASA Conference - Statistics, Technology and Data Science for Economic and Social Development, University of Bologna, Bologna (IT)
30 Aug. – 1 Sept. 2023	IES2023 Conference - Statistical Methods for Evaluation and Quality: Techniques, Technologies and Trends, University “G. d’Annunzio” of Chieti-Pescara, Pescara (IT) (Invited)
22 – 24 June 2022	SIS2022 - 51st Scientific Meeting of the Italian Statistical Society, University of Campania "Luigi Vanvitelli", Caserta (IT).
16 – 18 May 2022	8th International Conference on Advances in Statistics (ICAS’22), Izmir University of Economics, Famagusta, North Cyprus
21 – 22 November 2019	International Workshop “New Economic & Statistical Perspectives on Urban & Territorial Themes – NESPUTT 2019, University of Milano – Bicocca, Milan (IT)
29 – 30 October 2019	2019 International Conference in Big Data in Business, London (UK)
20 October 2010	International Day of Statistics, University of Bari, Bari (IT), Labour forces Seminar.
29-31 March 2010	Royal Economic Society 2010 Conference, Univ. of Surrey, Guildford (UK).
19-21 November 2009	Challenges for the Analysis of the Economy, the Businesses, and Social Progress, International Scientific Conference, Szeged (HU).
16 October 2009	University of Bari (IT), Department of Law, Labour Economics Seminar.
6-7 July 2009	ECOFI Symposium in Economics and Finance 2009, CICG, Geneva (CH).
Feb. 2007	University of York (UK), Department of Economics, Job allowance evidence in the British labour market Seminar

CONFERENCE ORGANIZATION

- Labour Market: analysis, trends and new scenarios, University of Milan – Bicocca, 17 February 2023, Milan (IT);
- Statistical Analysis of Complex Data: Recent Developments and Applications, University of Florence, 7-8 February 2024, Florence (IT) – forthcoming.

PROFESSIONAL SERVICE

2003	Member of the Editorial Guest Board of the Italian Journal of Applied Statistics for the thematic issue on "Labour Market: analysis, trends and new scenarios"
2022 - present	Member of the national Program and Scientific Board of the Annual Conference of Economic Statistics:
2019 – 2021	Member of the Academic Panel for the organisation of teaching, Department of Economics and Finance, Univ. of Bari Aldo Moro, Bari (IT)

- 2013 – present Quality Assurance and re-Examination panel member for the accreditation of BA and Postgraduate courses in Statistics for the Department of Economics and Finance.
- Nov. 2011 Member of the Examination Committee for the admission to the Italian Order of Statisticians
- Apr. 2011 – Mar 2013 Tutor at the National Olympics of Statistics

COMPUTER SKILLS

SAS, STATA, SpeakEasy-ModelEasy Plus, R, Latex, and Statgraphics

LANGUAGES

Italian (native), English (fluent), Spanish (basic), Russian (basic)

TEACHING EXPERIENCE

Courses at the University of Bari Aldo Moro (Italy)

- 2015 – present: Time Series Analysis (Bachelor)
- 2013 – 2016: Economic Time Series Analysis (postgraduate course)
- 2011 – 2013: National Accounting (Bachelor)
- Statistical Quality Control (Bachelor)
- 2011: Statistical Quality Control (postgraduate course)
- 2010: Statistics and Public Sector Accounting (Master)
- 2009: European Economic Statistics: Eurostat and the New Cronos database (Master)
- 2004: European Economic Statistics (Master)

Courses at other universities

- 2003 – 2007: Demography (Bachelor), LUMSA University (Italy)

Other teaching experience

- 2008 – 2013: *Teaching Assistant*, Department of Economics, Univ. of Bari (Italy)
- 2007: *Teaching Assistant*, Department of Economics, Univ. of York (UK)
- 2000 – 2007: *Class Teacher*, Department of Economics, Univ. of Bari (Italy)