

Curriculum vitae

Academic degrees:

1984-1987: *Doctor of Philosophy* - University of Cambridge (UK),

1977-1981: *BA in Statistics*, University “La Sapienza”, Rome (Italy)

Current position:

Full Professor of Economic Statistics, Faculty of Economics, Department of Statistical Sciences and Department of Public Health, Università Cattolica del Sacro Cuore, since December 2011.

Other current contract appointments:

Adjunct Professor of Statistics, University of Italian Switzerland at Lugano (Ticino), since 1996.

Adjunct Professor of Statistics and Business Analytics, LUISS Business School, Rome since 2003.

Previous full time positions:

Full Professor of Statistics and of Economic Statistics, University “G. D’Annunzio” of Chieti (Italy, 1995-2011). Full Professor of Economic Statistics (Faculty of Statistics, University of Padua, Italy, 1994-1995); Associate Professor of Statistics (Faculty of Economics, University of Trento, Italy, 1992-1994); Associate Researcher of Economic Statistics (Faculty of Statistics, University “La Sapienza” of Rome, 1983-1992).

Previous temporary contract positions:

Professor of Spatial Econometrics, (University of Illinois at Urbana-Champaign, Department of Economics, Spring Semester 2015); Professor of Statistics (Department of Economics, New York University, Spring Semester 2012) ; Adjunct Professor of Statistics and of Econometrics, (Faculty of Economics, LUISS “Guido Carli” University, Rome 2003-2012) ; Professor of Social Statistics, (Faculty of Economics, Universitas Mercatorum, Roma, 2008-2009); Professor of Statistics (Faculty of Political Sciences, University “La Sapienza” of Rome, (2003-2006) ; Professor of Statistics and Quality control (University of San Marino, 1997-2004); Professor of Statistics (Faculty of Economics, University Tor Vergata, of Rome, Italy, 1992-1994)

Visiting professorship:

Monash University, Melbourne, Australia, January-February 2023.

Centre for Entrepreneurship and Spatial Economics, Jönköping International Business School, Jönköping University, Jönköping, Sweden, March 2019.

Stellenbosch University, Department of Economics, Stellenbosch, South Africa, Nov. 2017.

National Research University, Higher School of Economics, Moskov, Russia, September 2017.

Department of Statistics, Tohoku University, Sendai, Japan, September 2017

Tsukuba University, Tsukuba, Japan, September 2016

University of Cambridge, Social Sciences Research Methods Centre (SSRMC) , Cambridge, UK, February 2016.

University of Illinois at Urbana-Champaign, Department of Economics, April-May 2015. New York University, Robert F. Wagner Graduate School of Public Service, New York, May 2014.

The College of William & Mary, Williamsburg, Virginia (US), Research Professor, ITPIR, 2014-2018.

Université Panthéon Assas, Paris II; cEnter of Research on Markets, Employment and Simulation (ERMES), Professeur invité, Paris II ERMES, Paris, June, 2013.

New York University, Stern Business School, New York, April 2013.

New York University, Department of Economics, New York, January-May 2012.

New York University, Stern Business School, New York, March-April 2011.

Universidade Federal do Ceara; Faculdade de Economia, Fortaleza, CE, Brasil, February 2011

University of Illinois at Urbana-Champaign, Regional Economic Application Laboratory (REAL), February 2008.

University of Texas at Dallas; School of Economics Political and Policy Sciences, Dallas, USA, January 2008.

University of Illinois at Urbana-Champaign, Regional Economic Application Laboratory (REAL), January-February 2007.

University of Cambridge, Department of Geography, Cambridge, UK, August 2005.

University of Sheffield, Department of Geography, Sheffield, UK, September 1991. University of California at Santa Barbara, National Center for Geographical Information and Analysis, September-November 1989.

Academic tasks:

Director of The Higher School of Health Economics and Management, Catholic University of the Sacred Heart, Rome, since 2023.

Chair of the Board of the Doctorate in Health System and Service Research, Catholic University of Sacred Heart, since 2023.

Research representative for the Faculty of Economics, Catholic University of Sacred Heart, since 2020.

Member of the Board of the Doctorate in Health System and Service Research, Catholic University of Sacred Heart, since 2020.

Member of the Board of the Doctorate in Statistics and Mathematical Finance, University “Bicocca” of Milan, 2015-2020.

Coordinator of the Steering Committee for an English-taught Master Program in Health Management, Catholic University of the Sacred Heart, Rome, 2015-2019.

Chair of the Doctorate in “Economics”, University “G. d’Annunzio”, May 2011-December 2011.

Chair of the Doctorate in “Innovation”, University “G. d’Annunzio”, November 2010-May 2011.

Member of the Administration Council (Consiglio di Amministrazione), University “G. d’Annunzio” of Chieti (Italy). 2006 – 2009.

Chair of the Doctorate in Economics and Management, 2004 - 2005, University “G. d’Annunzio”.

Director of the Department of Business, Statistical, Technological and Environmental Sciences, University “G. d’Annunzio” of Chieti (Italy). 2003 – 2006.

Member of the board of the Doctorate in Applied Econometrics, Tor Vergata University, Roma, 2002 - 2007.

Member of the Evaluation Committee (Nucleo di Valutazione) of the University “G. d’Annunzio” of Chieti (Italy). 2000-2003.

Chair of the BA Program (Corso di Laurea) in Environmental Economics, Faculty of Economics, University “G. d’Annunzio” of Chieti (Italy), from November 1999 to March 2004.

Student Member of the Administration Council (Consiglio di Amministrazione), “Sapienza” University of Rome (Italy). 1979-1981.

Scientific Societies memberships:

Regional Science Association, Spatial Econometrics Association, Italian Statistical Society. Affiliations not active: International Statistical Institute, Royal Statistical Association, Associazione Italiana di Scienze Regionali.

Chair and positions in Scientific Associations:

Chairman of the Spatial Econometrics Association, 2006-present.

Member of the Directory Board, Italian Statistical Society, 2016-2020.

Prizes, awards and achievements:

Shortlisted in the national competition for the Presidency of the Italian Statistical Institute, ISTAT, 2018.

Shortlisted in the national competition for the Presidency of IRVAPP, Research. Institute for the evaluation of public policies, Trento, 2018.

Shortlisted in the national competition for the Presidency of the Italian Statistical Institute, ISTAT 2014.

Best paper award of the Regional Studies Association, for *Spatial Economic Analysis*, 2012.

Swiss National Science Foundation, International Exploratory Workshop, (co-applicant Roberto Patuelli), 2011

N.A.T.O. Award, 1986, 1987 and 1988

Fitzwilliam Trust Research Fund, Fitzwilliam College (Cambridge), 1987.

C.N.R. Scholarship, (National Research Council) 1985 and 1987.

British Council Advanced Fellowship, 1985 and 1986.

Institutional tasks:

Member of the Scientific Committee of ISTAT (Italian National Institute of Statistics), since 2025.

Member of the Scientific Committee of AGENAS (Italian National Agency for regional health services), since 2025.

Member of the Working Group on “Corruption risk indices and measures of prevention and contrast to the corruption in the Public Administration”, Italian National Authority anticorruption, ANAC, 2015-2016.

Member of the Working Group on “Environmental Information” of the Authority for Statistical Information, Prime Minister’s Office, 2003 - 2004.

Coordinator of the Statistical Bureau of San Marino Republic, Office of Economic planning and Center of data elaboration and statistics (UPECEDS), Department of Finance of the Republic of San Marino, 1998-2007

President of the “Observatory of Job and Professions” of San Marino Republic, 1996-1998. Committee for the revision of electoral boundaries for the election of Italian Senate and Chamber representatives, 1994-1997.

Research projects:

Statistica expert for the project: ““Simulation and forecasting model for medium and long term scenarios in the National Health System“ funded by the Italian Ministry of Health, 2024-2026.

Statistical expert in the PON “Governance and Institutional Capability 2014–2020” - FESR “Measurement of risk of corruption at a territorial level and promotion of transparency”, Italian National Authority anti-corruption, ANAC, 2019-2022

Scientific coordinator of the Statistical group: “Sanità 2.0: Definition of a predictive model for public health expenditure for cardiovascular diseases”, funded by the Italian Ministry of Health, 2019-2020.

Principal investigator, “Statistical solutions for regressions-type models with big spatial data”, (co-investigator Antonietta Mira), InterDisciplinary Institute of Data Science IDIDS, Università della Svizzera Italiana, funded by the Swiss National Science Foundation (SNSF), 2016 – 2020.

Scientific Coordinator, “Quality crowdsourced food prices”, Project founded by the Joint Research Center, Directorate D – Sustainable Resources, Unit D.4, Economics of Agriculture, 2018-2019.

Scientific Coordinator, “Quality crowdsourced food prices”, Project founded by the Joint Research Center, Directorate D – Sustainable Resources, Unit D.4, Economics of Agriculture, 2016-2018.

Participant: MUNROS ‘Health Care Reform: the iMPact on practice, oUtcomes and costs of New roles for health pROfeSsionals’, VII Framework Programme Collaborative project scheme, European Commission, FP7-HEALTH-2012-INNOVATION-1 programme grant agreement No 305467, 2012-2017.

Scientific Coordinator, Monitoring of the spatial distribution of extreme values in soil pollution through 3-D sampling, MIUR (Italian Ministry of Educ. University and Research), 2006-2008.

Scientific Coordinator, Monitoring the spatial distribution of extreme values in soil and air pollution, MIUR (Italian Ministry of Education, University and Research), 2004-2006 Scientific Coordinator, Problems of identification of areas at environmental risk: problems of data collection and integration between sources, MIUR (Italian Ministry of Education, University and Research) 2002-2004.

Scientific Coordinator, Problems related to the collection of environmental data: from spatial sample drawing to analytical techniques for assessing soil, air and water quality and the associated risk, MIUR (Italian Ministry of Education, University and Research) 2000-2002. Participant, Problems related to techniques, methods and operating conditions for obtaining analytical data and evaluation of their quality and significance, MIUR (Italian Ministry of Education, University and Research), 1998-2000.

Principal Investigator, NATO Collaborative Research Grant, (co-investigators Robert Haining and Daniel Griffith) 1994

Principal Investigator, NATO Collaborative Research Grant, (co-investigators Robert Haining and Daniel Griffith) 1990

Principal Investigator, NSF, US National Science Foundation Research Grant, (coinvestigators Robert Haining and Daniel Griffith), 1989

Teaching experience:

Basic Statistics, Health econometrics and program evaluation, Spatial epidemiology, Statistics and Big Data, Big Data and Business Analytics, Econometrics, Business Statistics, Economic Statistics, Advanced Statistics, Applied Probability, Spatial Econometrics, Basic Econometrics on Eviews ©, Statistical Quality Control, Multivariate Statistics, Applied Statistics on SPSS ©, Time series analysis, Stochastic processes and their applications, Spatial statistics, Social Statistics. *At a Bachelor, Master, PhD and Executive level.*

Congresses organized (SC= Scientific Committee, LC=Local Organizing Committee):

XIX Meeting of the “Spatial Econometrics Association”, Rabat, May 2025 (Chair of SC).

XVIII Meeting of the “Spatial Econometrics Association”, Groningen, May 2024 (Chair of SC).

XVII Meeting of the “Spatial Econometrics Association”, San Diego, November 2023 Joint with NARSC (Chair of SC).

XVI Meeting of the “Spatial Econometrics Association”, Warsaw, June 2022. (Member of SC).

XV Meeting of the “Spatial Econometrics Association”, Tokyo, June 2021. (Member of SC).

XIV Meeting of the “Spatial Econometrics Association”, Jönköping, June 2020. (Chair of SC). XIII Meeting of the “Spatial Econometrics Association”, Pittsburg, Nov 2019. Joint with NARSC (Chair of SC and of LC).

Intermediate Conference of the Italian Statistical Society on: “Smart Statistics for Smart Applications”, SIS”, Milano, June 2019. (Chair of SC).

Sixth “Health Econometrics” Workshop, Bergamo, July 2018. (Member of SC).

XIII National Conference of Statistics, ISTAT, Rome, July 2018 (Member of SC).

XII Meeting of the “Spatial Econometrics Association”, Vienna, June 2018. (Member of SC).

XI Meeting of the “Spatial Econometrics Association”, Singapore, June 2017. (Member of SC).

X Meeting of the “Spatial Econometrics Association”, Rome, June 2016. (Chair of SC).

Fifth “Health Econometrics” Workshop, Bari, December 2016. (Member of SC).

VIII Meeting of the “Spatial Econometrics Association”, Zurich, June 2014. (Member of SC). VII

Meeting of the “Spatial Econometrics Association”, Washington, DC, July 2013. (Chair of SC, Invited keynote speaker).

VI Meeting of the “Spatial Econometrics Association”, Salvador Bahia, Brazil, July 2012. (Chair of SC).

Third “Health Econometrics” Workshop, Siena, December, 2012. (Member of SC; Invited position paper).

V Meeting of the “Spatial Econometrics Association”, Toulouse, July 2011. (Member of SC).

IV Meeting of the “Spatial Econometrics Association”, Chicago, June 2010. (Member of SC). Second “Health Econometrics” Workshop, Catholic University of the Sacred Heart, Rome, July, 2010. (Member of SC).

III Meeting of the “Spatial Econometrics Association”, Barcellona, July, 2009. (Member of SC) First “Health Econometrics” Workshop, Milan, December, 2008. (Member of the SC).

II Meeting of the “Spatial Econometrics Association”, New York, Nov., 2008. Joint with NARSC (Chair of LC. Member of SC)

International Workshop on “Spatial Econometrics”, Roma, 25-27 May, 2006. (Chair of LC and of SC)

International Workshop on Spatial statistical methods in archaeological and cultural heritage safeguard research ", Pescara, 18-19 July 2000. (Chair of LC committee and of SC)

International Workshop on "Advances in spatial statistics: methods and application", Trento, 20-21 October 1994. (Chair of LC and of SC)

Summer schools organized

“Spatial Econometrics Advanced Institute”, 4-weeks course with international students and international instructors, Rome, School Director and Instructor of ‘Spatial Statistics’. *Held yearly since 2008. (260 students from all 5 continents).* Last edition in May 2025. (<http://www.spatialeconometricsadvancedinstitute.org>)

Leading Editor of the book series “Spatial Statistics and Spatial Econometrics”, Elsevier. Since 2016.

Editor-in-Chief of the *Journal of Spatial Econometrics*, Springer-Verlag. 2019-2023.

Membership in Boards of Editors of Scientific Journals:

Network and Spatial Economics (2025-present), Spatial Economic analysis (2022-present), Empirical Economics (2007-2015) Letters in Spatial and Resource Sciences (2010-2015) Papers in Regional Sciences, (2007-2013)

Main referee activity:

Network and Spatial Economics, Biometrics, Empirical Economics, Economic Modeling, Econometrics, Economic Letters, Papers in Regional Sciences, International Regional Science Review, Spatial Statistics, Spatial Economic Analysis, Frontiers, Urban geography, Journal of Economic Geography; Journal of Urban Economics, Regional Studies, Applied Economics, Journal of Applied Econometrics, Statistical Methods and Applications, Computational Statistics and Data Analysis, Geographical Analysis, Geographical Systems, Regional Studies, China Economic Review, Technometrics, Journal of the Royal Statistical Society series A and C.

Seminars and Conferences: More than 200 invited speeches, seminars and conferences in the main universities and institutions all over the world.

Publications:

Statistics on scientific journals' papers:

91 articles published on impacted journals listed on Thomson ISI Journal Citation Reports.

8 Articles on other peer-reviewed journals without impact factor.

6 papers currently submitted to peer-reviewed journals.

Books and book chapters:

9 books published by international publishers: Kluwer Academic-Dordrecht, Routledge, Springer-Verlag, Palgrave-McMillan.

15 Chapters of books published by international publishers: Chapman & Hall, Oxford Research Encyclopedia, Edward Elgar Publisher, Taylor & Francis, Phisica-Verlag, SpringerVerlag, Martinus Nijhoff, Franco Angeli, Cacucci.

Bibliometric indices:

ISI-Thompson

Number of impacted papers: 91	(2020-2025: 22)
Total impact: 181.513	(2020-2025: 59.628)
Average impact per paper: 2.017	(2020-2025: 2.98)
Number of Italian “ Class A ” papers: 49	(2020-2025: 11)

Publish or Perish

Number of papers: 299	Number of Citations: 6548
Citation years: 41 (1984-2025)	Cites per year: 159.71
Cites per paper: 21.9	Papers per author: 169.56
Hirsch index (h-index): 36	hI,norm: 28

G-index: 77
Highest number of citations: 810

h1, annual 0.63
Papers per year: 7.29

Research Gate Reputation score: 18.41 (ranked 70th percentile); 2,018 reads, 460 citation.

Google scholar Citations: 6493 (2110 since 2020); H-index: 36 (24 since 2020); I10-index: 94 (544 since 2020)

Foreign languages: English (>C2), German (A1) and French (A2).

Giuseppe Arbia