

Europass Curriculum Vitae

Personal information

First name / Surname | Rosanna Verde

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Nationality Italian

Date of birth 10 April 1966

Gender Female

ORCID: https://orcid.org/0000-0002-9959-4675

Web of Science: https://www.webofscience.com/wos/author/record/245491
Scopus: https://www.scopus.com/authid/detail.uri?authorld=6603261185
GoogleScholar: https://scholar.google.com/citations?user=m5ffRB8AAAAJ&hl=it

Research Gate: https://www.researchgate.net/profile/Rosanna-Verde

Work experience

Occupation or position held Full Professor of Statistics

Since 2005 Department of Mathematics and Physics, University of Campania "Luigi Vanvitelli"

Previous positions

1998-2005 Associate Professor of Statistics at the Faculty of Economics – Second University of Naples.

1995-1998 Researcher of Statistics at the Faculty of Economics - University of Naples Federico II

Main activities and responsibilities

Since 2018 – Coordinator of Bachelor' degree in Data Analytics - University of Campania "Luigi Vanvitelli"

Since 2021 – | Coordinator of Master' degree in Data Sciences - University of Campania "Luigi Vanvitelli"

2018 –2021 Associate member of the equipe "Apprentissage Artificiel et Applications" du LIPN Laboratory of

Informatics of the Université Paris 13 – Institut Galilée, France

2009-2012 Head of the Department of European and Mediterranean Studies of the Second University of Naples.

Education and training

1989 Degree in Economics - University of Naples "Federico II"

1993 PhD degree in Computational Statistics at University of Naples "Federico II"

1996 Research fellow at INRIA – Rocquencourt, France

Position in academic organizations

Since 2018 -2014-2018 2003-2009 Vice-coordinator of the Group of the Italian Statistical Society Statistics and Data Science

Member of the Board of the "Italian Statistical Society"

Vice-president of the "Société Francophone de Classification" 2002-2004 Member of the Financial Committee board of the IFCS

Since 1996

Member of ISI (International Statistical Institute) and of the International Association Statistical

Computing (IASC).

Since 2003

Deputy President of the Research Center of Complex Data Analysis of the University of Beihang (Beijing, China)

2018 - 2020

Member of the Scientific Committee of the IDNEUF of the AUF (Agence Universitaire de la Francophonie)

Research Activity

Main research fields of interest

Multivariate Data Analysis, Classification, Data Mining of large-scale data, Symbolic Data Analysis, Data Stream Analysis, Functional Data Analysis, Computational Statistical methods for Complex and Distributional Data.

National Projects of Research

(granted by Italian Ministry of the Research and National Research Council) PRIN2015 - Complex space-time modeling and functional analysis for probabilistic forecast of seismic events

PRIN1999/2000: PRIN2000/2001: PRIN2001/2002: PRIN2004/2005: Agenzia 2000 CNR Project 2000 - On new techniques for numerical conceptual classification of complex data

Regional Projects of Research POR Campania

Scientific Responsible

University Regional System – POR Campania FESR 2007-2013

RiCart "Innovation Network for the artistic manufactory in the Campania Region - POR Campania FESR 2007-2013

Network of Excellence "Networks, Public policies and development" - POR Campania FSE 2007-2013 Quick&Smart - POR Campania FESR 2014 -2020.

European Project participation

2008-2011

2000-2003 1996-1999 1998-2000 COST - action IC0702 "Combining Soft Computing Techniques and Statistical Methods to Improve Data Analysis Solutions"

ASSO - Analysis System of Symbolic Official data (IST R&D - IV FP 2000-2003) SODAS - Symbolic Official Data Analysis System (IST R&D - V FP - 1996-1999)

ALFA - Laboratorio Analisis Multidimensional de DAtos - European and Latin American scientific cooperation programme (1998-2000)

International Cooperation Project

2015-2019

Joint project with Beihang University, The Statistical Modeling Methods of Massive High Dimensional Mixed Data and its Application Grant: National Natural Science Foundation of China

Visiting Researcher and **Visiting Professor**

2000

EUROLAB – Zentral-Archiv of the Univ. of Cologne, (Germany) in the framework of the TMR European Programme

1996-2014 (visiting 6m 2014)

2000, 2002

2003, 2011 2006

2017

2015, 2016, 2017

INRIA-Rocquencort (France) in the frame of a continuing collaboration of research CIN of the UFPE (Federal Univ. of Pernambuco) at Recife (Pernambuco, Brazil)

BAAU - Beihang Univ. (Beijing, Chine)

Université de Notre Dame de la Paix, Namur, Belge

Université Paris 13 Nord, Francia

Université Caddi Ayyad of Marrakech (Morocco)

Scientific Evaluation Activity

2018-2021

Member of the National Committee for the National scientific qualification for Full and Associate Professor - Sector 13/D1 Statistics

2020-

Paris Region Fellowship Programme (ParisRegionFP) is an EU co-funded Marie Sklodowska Curie Action (MSCA) in the frame of European Commissions H2020 programme

2018

Member of the Scientific Committee of the IDNEUF of the AUF (Agence Universitaire de la

Francophonie) and evaluator of the IDNEUF projects - France

2019

Project - call for basic research - University of Verona- Italy

2016, 2020

Research project - program of the CRSNG (Conseil de recherche) - Canada

2010

European Lab ERIC – Université Lyon 2 – France

2000

IST annual workprogramme "CPA8 Statistical tools, methods, indicators & applications for the Information Society". Brusselles

Scientific Program Committees member

2017

Chair of the Scientific Committee of the meeting of the Italian Statistical Society, Florence, 28-30 June,

2015

Co-chair of the IASC ISI 2015 Word Conference (Rio de Janeiro) Scientific Program Committee, 2015.

Chair and Organizer of

2016

Workshop on High Dimensional Data Mining, Naples, 7 June 2016.

2007

First EUROPEAN WORKSHOP ON DATASTREAM ANALYSIS, Belvedere di S. Leucio, Caserta,

2008

Organizer of Joint Meeting of the SFC-CLADAG 2008, Caserta

2020

2022

Co-Organiser of International Workshop on Data Stream Processing and Applications (DASPA 2020),

Cagliari.

Chair of the Organiser Committee of the 51th meeting of the Italian Statistical Society, Caserta, 22-24 June 2022

Reviewer and editorial activities

2019-2021

2018-2022

2001-2006

Since 2005

2022

2017

2011

2015

Associated Editor of the Italian Applied Statistics Journal (Rivista Italiana di Statistica Applicata)

Associate Editor of the International Journal "Statistical Methods and Application", Springer.

Member, co-founder, Managing editor of the Journal of Symbolic Data Analysis (www.jsda.unina2.it)

Co-editor of the Revue MODULAD (Electronic Journal) http://www.modulad.fr

Co-editor of the Proceedings of the Conference of the Italian Statistical Society. Caserta. Pearson

Co-editor of the Proceedings of the Conference of the Italian Statistical Society. Firenze University PRESS 2017, ISBN 978-88-6453-521-0.

Co-editor of the Volume "Classification and Multivariate Analysis for Complex Data Structures. Studies in Classification, Data Analysis, and Knowledge Organization. Fichet B., Piccolo, D., Verde, R. Vichi, M. (Eds). Springer Berlin Heidelberg. ISBN/ISSN: 978-3-642-13311-4

Gest Editor of the Special Issue about Functional Data Analysis of the Springer International Journal "Advances in Data Analysis and Classification" – Volume n.1 – 2015

Reviewer for several International **Conferences** proceedings (SIS, CLADAG, IFCS, EGC, IEEE Transaction & Cybernatics) and **Journals** (Statistica Applicata, CSDA-Computational Statistics and Data Analysis, Journal of Classification, Pattern Recognition, KAIS-Knowledge and Information Systems, ADAC-Advances in Data Analysis and Classification)

Personal skills and competences

Mother tongue(s)

Italian

Other language(s)

Self-assessment

European level (*)

French English

Understanding			Speaking				Writing
Listening Rea		S	Spoken interaction		Spoken production		
C2	B2		C1		C1		B1
B2	C1		B2		B2		C1

(*) Common European Framework of Reference for Languages

Scientific Production

Author and co-author of more than 120 papers, among articles on Journals, chapters of books and contributions in Proceeding of international Conferences

Main publications in the last 5 years In Journal

- 1. De Carvalho, Francisco de A. T., Irpino, Antonio, Verde, Rosanna, Balzanella, Antonio (2022). Batch Self-Organizing Maps for Distributional Data with an Automatic Weighting of Variables and Components. JOURNAL OF CLASSIFICATION, ISSN: 0176-4268, doi: 10.1007/s00357-022-09411-1 2. Maturo, Fabrizio, Verde, rosanna (2022). Combining unsupervised and supervised learning techniques for enhancing the performance of functional data classifiers. COMPUTATIONAL STATISTICS, p. 1-32, ISSN: 0943-4062, doi: 10.1007/s00180-022-01259-8
- 3. Maturo, Fabrizio, Verde, Rosanna (2022). Pooling random forest and functional data analysis for biomedical signals supervised classification: theory and application to electrocardiogram data. STATISTICS IN MEDICINE, p. 1-29, ISSN: 0277-6715, doi: 10.1002/sim.9353
- 4. Maturo, Fabrizio, Verde, Rosanna (2022). Supervised classification of curves via a combined use of functional data analysis and tree-based methods. COMPUTATIONAL STATISTICS, p. 1-49, ISSN: 1613-9658. doi: 10.1007/s00180-022-01236-1
- 5. Francisco de Assis Tenorio de Carvalho, Antonio Balzanella, Antonio Irpino, Rosanna Verde, (2021) Co-clustering algorithms for distributional data with automated variable weighting. INFORMATION SCIENCES. 549, 87-115, ISSN 0020-0255, https://doi.org/10.1016/j.ins.2020.11.018. 6. Antonio Balzanella, Rosanna Verde (2019). Histogram-based clustering of multiple data streams. KNOWLEDGE AND INFORMATION SYSTEMS, 62, 203–238. ISSN: 0219-1377, doi:10.1007/s10115-019-01350-5.
- 7. Irpino Antonio, Verde Rosanna, De Carvalho Francisco de A.T. (2017). Fuzzy clustering of distributional data with automatic weighting of variable components. INFORMATION SCIENCES, vol. 406-407, p. 248-268, ISSN: 0020-0255, doi: 10.1016/j.ins.2017.04.040
- 8. Verde Rosanna, Irpino Antonio (2017). Multiple factor analysis of distributional data. STATISTICA APPLICATA, vol. 29, p. 305-330, ISSN: 1125-1964
- 9. Romano E., Balzanella A., Verde R., (2017) Spatial variability clustering for spatially dependent functional data, STATISTICS AND COMPUTING, 27 (3), 645-658. https://doi.org/10.1007/s11222-016-9645-2

23 October 2022