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Decreto Rettore Università di Roma "La Sapienza" n. 2441/2021 del 20/09/2021

DONATELLA VICARI

Curriculum Vitae

Rome, 29 September 2021

Part I – General Information

Full Name	
Date of Birth	
Place of Birth	
Citizenship	
Permanent Address	
Mobile Phone Number	
E-mail	
Spoken Languages	

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1989	Università di Roma "La Sapienza"	Laurea cum laude in Scienze Statistiche e Demografiche Dissertation: "Indices for the choice of the number of groups in Cluster Analysis " (in Italian), Advisor: A. Rizzi.
Post-graduate studies	1990	Department of Statistics - University of North Carolina at Chapel Hill, NC, USA.	Visiting Student for one semester (Grant from CNR)
Post-graduate studies	1991	Charles University of Prague	Summer school on "Computational Aspects of Model Choice", organized by Charles University of Prague and IASC
Post-graduate studies	1993	Bocconi University (Italy)	Summer school on "Statistics and Probability" held in Livigno (Italy)
Post-graduate studies	1993	Leiden University and European Courses in Advanced Statistics	ECAS School on "Analysis of Categorical Data"

Part III – Appointments

III(A) – Academic Positions

(Posizioni Accademiche – Periodi di studio e ricerca in qualificate istituzioni di ricerca internazionali)

Start	End	Institution	Position
Jan 1990	Sep 1992	Università di Roma “La Sapienza” – Dip. di Statistica, Probabilità e Statistiche Applicate	Graduated Member of the Technical Staff at Computer Lab (Funziario tecnico-scientifico di VIII livello)
Sep 1992	Nov 1995	Università di Roma “La Sapienza” – Dip. di Statistica, Probabilità e Statistiche Applicate	Assistant Professor (Ricercatore Universitario)
Dec 1995	Oct 2001	Università di Roma “La Sapienza” – Dip. di Statistica, Probabilità e Statistiche Applicate	Senior Assistant Professor (Ricercatore Confermato)
Sep 2001	at present	Università di Roma “La Sapienza” – Dip. di Scienze Statistiche	Associate Professor (Professore di Seconda Fascia)
Oct 1998	Dec 1998	Dept of Operations Research, George Washington University, Washington D.C. (USA)	Visiting Professor
Dec 2003, Jul–Sep 2004, July–Sep 2005, Jun–Jul 2006, Jul 2010, Jul 2011		Dept of Engineering Management and Systems Engineering, George Washington University, Washington D.C. (USA)	Visiting Professor in several occasions working with Proff. S. Kotz and R. vanDorp

III(B) – Academic Appointments (Selected)

(Attività universitarie con particolare riferimento a quelle gestionali e partecipazione ad organi collegiali elettivi – Partecipazione ad organismi scientifici accademici)

Start	End	Institution	Position
1996	1997	Università di Roma “La Sapienza” – Dip. di Statistica, Probabilità e Statistiche Applicate	Member of the Department Board (Giunta di Dipartimento) - Elective Office
2000		Università di Roma “La Sapienza” – Dip. di Statistica, Probabilità e Statistiche Applicate	Member of the Selection Committee of a Research Fellow (Assegno di Ricerca, S01A - Statistica)
2002		Università di Bologna - PhD in Statistics	Member of the Selection Committee
2003	2005	Università di Roma “La Sapienza” – Dip. di Statistica, Probabilità e Statistiche Applicate	Member of the Department Research Committee
2005		Università di Roma “La Sapienza” - European PhD in Socio-Economic and Statistical Studies	Member of the Selection Committee
2008		Università di Roma “La Sapienza” - PhD in Statistica Metodologica	Member of the Selection Committee
2010	2010	Università di Roma “La Sapienza” - PhD in Statistica Metodologica	Member of the Final Committee of evaluation
2011		Università di Roma “La Sapienza” - European PhD in Socio-Economic and Statistical Studies	Member of the Selection Committee
2011	2014	Università di Roma “La Sapienza” -	Board Member (Collegio Docenti)

		European PhD in Socio-Economic and Statistical Studies	
2012	at present	Università di Roma “La Sapienza” - PhD in School of Statistical Sciences	Board Member (Collegio Docenti)
2017	2019	Università di Roma “La Sapienza”	Member of the University Research Committee (Commissione Ricerca di Ateneo – Macroarea D –)
May 2017	Dec 2019	Università di Roma “La Sapienza” – Dip. di Scienze Statistiche	Member of the Department Board (Giunta di Dipartimento) - Elective Office
Dec 2019	at present	Università di Roma “La Sapienza” – Dip. di Scienze Statistiche	Member of the Department Board (Giunta di Dipartimento) - Elective Office
Jan 2020	Jul 2021	Università di Roma “La Sapienza” – Dip. di Scienze Statistiche	Member of the Selection Committees of 4 Research Fellow procedures (Assegni di Ricerca, SECS-S/01 - Statistica)

III(C) – Other Appointments

(Direzione e partecipazione a comitati editoriali di riviste scientifiche e ad altre attività scientifiche)

Start	End	Institution	Position
2004	2013	Statistical Methods and Applications Journal (SMA)	Member of the Editorial Executive Panel
2016	at present	Behaviormetrika Journal	Associate Editor
2012		Editor of the volume <i>”Analysis and Modeling of Complex Data in Behavioral and Social Sciences, Book of Short Papers, JCS- CLADAG2012,</i> Cleup, Padova	Editor of the volume (jointly with A, Okada, G. Ragozini)
2014		Editor of the volume <i>”Analysis and Modeling of Complex Data in Behavioral and Social Sciences”, Series: Studies in Classification, Data Analysis and Knowledge Organization,</i> Springer, Heidelberg	Editor of the volume (jointly with A, Okada, G. Ragozini, C Weihs)
		Referee for the following Journals: Comp. Stat. and Data Anal.; Annals of Operations Research; Journal of Classification; Statistical Papers; Metron; Information Sciences; Advances in Data Analysis and Classification; Statistics Education Research Journal; Journal of Statistical Computation and Simulation; Statistical Methods and Applications; Journal of the Royal Stat. Soc. C.; Psychometrika; Communication in Statistics; “Studies in Theoretical and Applied Statistics” Series by Springer; “Studies in Classification, Data Analysis and Knowledge Organization” Series by Springer-Verlag; Proceedings of the SIS and CLADAG Conferences	
2009	2011	CLADAG (Classification and Data Analysis Group) of the Italian Statistical Society (SIS)	Member of the Scientific Council (Elective Office)
2011	2013	CLADAG (Classification and Data Analysis Group) of the Italian Statistical Society (SIS)	Member of the Scientific Council (Elective Office)

2018	at present	SIS (Italian Statistical Society)	General Secretary of the SIS Council (Elective Office)
2019	at present	SIS (Italian Statistical Society)	Member of the Statistical Accreditation Committee

Part IV – Teaching experience

(Attività didattica a livello universitario congruente con il Settore Scientifico Disciplinare SECS-S/01)

Year	Institution	Lecture/Course
1989-1992	Sapienza - Facoltà di Scienze Statistiche, Demografiche ed Attuariali	Lectures: Teoria dell'Inferenza Statistica (Prof. Rizzi)
1992-2001	Sapienza - Facoltà di Scienze Statistiche, Demografiche ed Attuariali	Teoria dell'Inferenza Statistica (Prof. Rizzi e Prof. Badaloni), Statistica (Prof. G. Leti) as Assistant Professor
1996-1999	Sapienza - Facoltà di Scienze Statistiche, Demografiche ed Attuariali	Teoria dell'Inferenza Statistica (CdL in Scienze Statistiche ed Economiche)
1999-2002	Sapienza - Facoltà di Scienze Statistiche, Demografiche ed Attuariali	Analisi dei Dati (Diploma in Statistica)
2001-2002	Sapienza - Facoltà di Scienze Statistiche, Demografiche ed Attuariali	Analisi dei Dati (<u>Scuola di Specializzazione</u> di Ricerca Operativa e Strategie Decisionali)
2002-2003	Sapienza - Facoltà di Scienze Statistiche, Demografiche ed Attuariali	Statistica di Base – 4 CFU (CdL in Statistica per l'Economia)
2005-2006	Istituto G. Tagliacarne	Statistica di Base (<u>Master</u> Universitario STARTER2005 and STARTER 2006)
2002-2007	Sapienza - Facoltà di Scienze Statistiche, Demografiche ed Attuariali	Laboratorio di Metodi Statistici Multivariati - 4 CFU (CdL Magistrale di Statistica Informatica e Strategie Decisionali e Statistica per la Biomedicina, l'Ambiente e la Tecnologia)
2003-2010	Sapienza - Facoltà di Scienze Statistiche, Demografiche ed Attuariali	Statistica Multivariata – 8 CFU (CdL in Statistica ed Economia)
2009-2010	Sapienza - Facoltà di Medicina e Chirurgia I	Corso Integrato di Statistica per la ricerca sperimentale e tecnologica II anno - 2 CFU (Corso di Laurea in Scienze delle Professioni Sanitarie Tecniche Assistenziali)
2010-2011	Sapienza - Facoltà di Medicina e Chirurgia I	Corso di Statistica per la Ricerca Sperimentale e Tecnologica nel Corso Integrato di Metodologie di Ricerca I anno - 2 CFU (CdL in Scienze delle Professioni Sanitarie Tecniche Assistenziali)
2010 - at present	Sapienza - Facoltà di Ingegneria dell'Informazione, Informatica e Statistica - Dipartimento di Scienze Statistiche	Statistica Multivariata – 9 CFU (CdL in Statistica, Economia, Finanza e Assicurazioni)
2012-2013	Sapienza - Facoltà di Ingegneria dell'Informazione, Informatica e Statistica - Dipartimento di Scienze Statistiche	Software Statistici di Base - 6 CFU (CdL in Statistica Gestionale)
2013-2019	Sapienza - Facoltà di Ingegneria dell'Informazione, Informatica e Statistica - Dipartimento di Scienze Statistiche	Laboratorio di Software Statistici I - 3 CFU (CdL in Statistica Gestionale)
2016-	Sapienza - Facoltà di Ingegneria	Laboratorio di Software Statistici I - 3 CFU (CdL

2019	dell'Informazione, Informatica e Statistica - Dipartimento di Scienze Statistiche	in Statistica, Economia e Società)
2019 - at present	Sapienza - Facoltà di Ingegneria dell'Informazione, Informatica e Statistica - Dipartimento di Scienze Statistiche	Analisi Statistica delle Strutture Relazionali – 6 CFU (CdL Magistrale in Scienze Statistiche)

Part V - Society memberships, Awards and Honors

Year	Title
1991 – at present	Member of the Italian Statistical Society (SIS)
1999 – at present	Member of CLADAG - CLAssification and Data Analysis Group of the Italian Statistical Society (SIS)
2000	TAP (Travel Award Program) IFCS2000, Namur, Belgium
2007 – at present	Member of the Specialized Team on Mixture Models - ERCIM Working Group on Computational and Methodological Statistics
2013 – at present	Member of the Specialized Team on Multi-set and multi-way models - ERCIM Working Group on Computational and Methodological Statistics
2009-2013	Member of the Scientific Council of CLADAG - Classification and Data Analysis Group of the Italian Statistical Society (Elective Office)
2018-2022	General Secretary of the SIS Council (Elective Office)
	Abilitazione scientifica alle funzioni di professore di I fascia, SC 13/D1 ASN2012 con decorrenza 07/10/2019 ASN2016 con decorrenza 31/3/2017

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

(Responsabilità e partecipazione a progetti di ricerca finanziati su bandi da istituzioni pubbliche)

VI(A) – PI-principal investigator

Year	Title	Program	Grant value
1993-1994	Analisi di sensibilità delle componenti principali	CNR Project	10 000 000 Lire
1996	Metodi multilineari per l'analisi fattoriale di matrici a tre vie	CNR Project	5 000 000 Lire
1998	Spazi Ultraminimi in Statistica	University Project	6 281 000 Lire
1999	Modelli a effetti casuali per l'analisi di dati a struttura complessa in ambito socio-demografico	CNR Project	5 000 000 Lire
2000	Analisi strutturale di dati di dissimilarità	University Project	12 028 000 Lire
2003	Modelli confermativi di classificazione e localizzazione di dati di prossimità	University Project	4 437 Euro
2004	Multiway Cluster-analysis: Performance of Algorithms and Empirical Validity	University Project for Visiting Professors (Prof. H. Kiers)	3 183 Euro

2005	Mixture Models for image segmentation	University Project	5 782 Euro
2007	Multivariate Regression in presence of Heterogeneity and Multicollinearity	University Project	5 592 Euro
2011	Joint classification modelling of consumers and products	University Project	3 000 Euro
2014	Classification modelling of asymmetric proximity data in explorative and confirmative perspectives	University Project	10 000 Euro
2019	Modelli e metodi di analisi e classificazione di dati di transizione e flusso: analisi della mobilità studentesca (e delle scelte universitarie) nei Corsi di Laurea degli Atenei italiani	University Project	11 100 Euro + 23787 Euro for Research Fellowship (Assegno di Ricerca)

VI(B) – I – investigator (since 2004)

Year	Title	Program
2004	Nuovi metodi di classificazione e riduzione dimensionale per la customer satisfaction (National and local PI Prof. M. Vichi)	PRIN2004
2006	Metodi statistici multivariati per valutazione simultanea dell'efficacia-efficienza e soddisfazione dei servizi di pubblica utilità (National and local PI Prof. M. Vichi)	PRIN2006
2008	Analisi dell'attività delle giurisdizioni contabili dal 2001 al 2007, secondo un approccio interdisciplinare (PI Prof. Zuliani)	University Project
2009	Statistical methods and models for the analysis of multivariate trajectories (PI Prof. P. Giordani)	University Project
2010	Quality Statistical Evaluation and Risk assessment of Services: innovative multivariate methodologies (National and local PI Prof. M. Vichi)	PRIN2008
2012	Statistical Models for Risk Evaluation (National PI Prof. P. Giudici and local PI Prof. M. Vichi)	PRIN2010
2015	Multimode Methods for Classification, Clustering and Dimensionality Reduction (PI Prof. M. Vichi)	University Project
2020	New statistical learning methods for model-based unsupervised classification of complex and high dimensional data (PI Prof. R. Rocci)	University Project

Part VII – Research Activities

Keywords	Brief Description
Multivariate Statistics	<p>The large majority of my research is mainly focused on the analysis and development of methodologies in the general context of classification and dimension reduction, with reference to both theoretical and computational issues.</p> <p>Models are generally proposed in either a model-based or a least-squares framework and always presented together with efficient algorithms (using Matlab or R) for the application to artificial data and real cases. Extensive simulation studies to investigate the performance and the behavior under different experimental conditions are also always performed, even in terms of scalability and computational complexity.</p> <p>In all papers, "simultaneous models" are proposed which jointly optimize a single loss function (for example concerning classification and/or dimension reduction and/or regression), with a substantial improvement in terms of performance over the application of sequential procedures which lead to sub-optimal solutions for the general problem.</p> <p>In several papers the presence of possible external variables has been also considered in a confirmative approach.</p> <p>In particular, the topics of the publications, also in collaboration with Italian and foreign scholars, concern different theoretical fields:</p> <p><u>Three-way proximity data</u></p> <p>Most proposed methodologies are concerned with the analysis of three-way proximity data where pairwise similarities between objects are observed in different occasions/subjects. Models are proposed for clustering the objects in either a finite mixture or a least-squares framework. The heterogeneity is accounted for by deriving classes of similar occasions/subjects using different models.</p> <p><u>Multivariate Regression</u></p> <p>Multivariate regression models are presented to deal with heterogeneous data when either objects or predictors are clustered in a number of unknown groups in a dimension reduction perspective to handle multicollinearity.</p> <p><u>Distribution theory</u></p> <p>Some papers arise from the joint research with Proff. S. Kotz and R. vanDorp (George Washington University) on a family of bimodal distributions on bounded domain and on skewed continuous distributions.</p> <p><u>Asymmetric proximity data</u></p> <p>A recent chapter of research is entirely devoted to the development of methods and tools for clustering asymmetric proximity data (i.e., for example confusion data, flows, brand switching data). In such papers the novelty is the proposal of clustering models where the directions of the exchanges have been accounted for in addition to their average amounts.</p> <p>A monograph on this topic coauthored with prof. G. Bove (University of Roma Tre, Italy) and A. Okada (Tama University, Japan) has been just published (Springer Nature).</p> <p>Collaborations with people in both the same University and in other Italian or international Universities have been established and are currently active.</p>
Cluster Analysis	
Model-based Clustering	
Dimension Reduction Methodologies	
Symmetric/Asymmetric Proximity data	

VII(A) – Research activity - Organization of Scientific Events (Selected)

(Organizzazione di eventi scientifici (convegni, conferenze, workshop nazionali e internazionali))

Year	Conference	Position
1998	IFCS1998, International Conference of the International Federation of the Classification Societies, Roma, Jul 21-24, 1998	Member of the Local Organizing Committee
1999	CLADAG1999, Conference of the Italian Classification and Data Analysis Group Roma, Jul 5-6, 1999	Member of the Local Organizing Committee
2000	NMDM, International Meeting on Nonlinear Methods and Data Mining, Roma, Italy, Sep 25-26, 2000	Member of the Local Organizing Committee
2002	SIS School on “Complex Computational Algorithms in Multivariate Statistics” (Algoritmi Computazionali Complessi nella Statistica Multivariata), Roma, Apr 15-19, 2002	Member of the Scientific Committee
2005	GfKI2005, International Conference of the German Classification Society, Magdeburg, Germania, March 9-11, 2005	Organizer of the Invited Session " <i>Clustering: Mixtures, Modes and Stability</i> "
2006	COMPSTAT2006, International Conference on Computational Statistics, Roma, Aug 28 –Sep 1, 2006	Member of the Local Organizing Committee
2007	CLADAG2007, Conference of the Italian Classification and Data Analysis Group, Macerata, Italia, 12-14 September, 2007	Organizer of the Invited Session “ <i>Model-based Clustering</i> ”
2008	SIS2008, Conference of the Italian Statistical Society, Arcavacata di Rende, Italia, June, 2008	Organizer of the Invited Specialized Session “ <i>Dimension Reduction Methods</i> ”
2009	CLADAG2009, Conference of the Italian Classification and Data Analysis Group, Catania, Italia, September 9-11, 2009	Organizer of the Invited Session “ <i>Computational and theoretical aspects in mixture models</i> ”
2010	SIS2010, Conference of the Italian Statistical Society, Padova, June 17-19, 2010	Member of the Scientific Committee
2010	GfKI - CLADAG 2010, International Joint Meeting of the German and Italian Classification Societies, Firenze, September 8-10, 2010	Member of the Scientific Committee
2012	SIS2012, Conference of the Italian Statistical Society, Roma, June 20-22, 2012	Member of the Local Organizing Committee
2012	JCS - CLADAG 2012, International Joint Meeting of the Japanese and Italian Classification Societies (and COMPSTAT Satellite meeting), Anacapri, Italy, September 3-4, 2012	Chair of the Scientific Committee
2014	International Conference of European Statistics Stakeholders – Methodologists,	Member of the Scientific Committee

	Producers and Users of European Statistics, Roma, November 24-25, 2014	
2017	IFCS2017, International Conference of the International Federation of the Classification Societies, Tokyo, Japan	Member of the Awards Committee
2019	SIS2019, Conference of the Italian Statistical Society: “Smart Statistics for Smart Applications”, Milano, June 18-21, 2019	Member of the Scientific Committee
2020	SIS2020, 50 th Scientific Conference of the Italian Statistical Society, 2020	Member of the Scientific Committee
2021	SIS2021, 50 th Scientific Conference of the Italian Statistical Society, Pisa, June 21-25, 2021	Member of the Scientific Committee
2021	SIS2022, 51 st Scientific Conference of the Italian Statistical Society, Caserta, June 2022	Member of the Scientific Committee
2021	IES2022, Conference on “Innovation & Society 5.0: Statistical and Economic Methodologies for Quality Assessment”, Capua, January 2022	Member of the Scientific Committee

VII(B) – Research activity – Participation to National /International Conferences (Selected) Invited Talks / Discussant

(Partecipazione in qualità di relatore invitato / Discussant ad eventi scientifici (convegni, conferenze, workshop nazionali e internazionali))

Year	Conference	Invited Talk
2002	GfKI2002, International Conference of the German Classification Society, Mannheim, Germany	“ <i>Simultaneous Classification and Multidimensional Scaling with External Information</i> ” (joint work with M. Vichi)
2003	SIS2003, Conference of the Italian Statistical Society, Napoli, Italy	<u>Discussant</u> of the Session on “ <i>Classification and Clustering</i> ”
2003	CLADAG2003, Conference of the Italian Classification and Data Analysis Group, Bologna, Italy	“ <i>A Data Reduction Model for Dissimilarity Data: MDSCCLUREG</i> ” (joint work with H.A.L. Kiers e M. Vichi) in the Invited Session on “ <i>Data Reduction in Data Mining</i> ”
2005	GfKI2005, International Conference of the German Classification Society, Magdeburg, Germany	“ <i>Multivariate Prediction including Clustering and Dimensionality Reduction</i> ” (joint work with M. Vichi)
2005	CLADAG2005, Conference of the Italian Classification and Data Analysis Group, Parma, Italy	<u>Discussant</u> of the Session on “ <i>Software and Classification Algorithms</i> ”
2006	GfKI2006, International Conference of the German Classification Society, Berlin, Germany	“ <i>Multivariate Regression in presence of heterogeneity and multicollinearity: ML estimation</i> ” (joint work with M. Vichi)
2006	International Conference COMPSTAT2006, Roma, Italy	“ <i>Mixture models for mapping multivariate diseases with spatial information</i> ” (joint work with M. Alfò and L. Nieddu)

2007	GfKI2007, International Conference of the German Classification Society, Freiburg, Germany	<i>Semiplenary</i> talk on “ <i>Unsupervised multivariate prediction including dimensionality reduction</i> ” (joint work with M. Vichi)
2007	CLADAG2007, Conference of the Italian Classification and Data Analysis Group, Macerata, Italy	<i>Multivariate Regression Model with clustering of objects and variables</i> ” (joint work with M. Vichi)
2008	SFC - CLADAG 2008, First International Joint Meeting of the French and Italian Classification Societies, Caserta, Italy	“ <i>Modeling spatial dependance in finite mixture models for disease mapping</i> ” (joint work with M. Alfò e L. Nieddu)
2009	IFCS2009, International Conference of the International Federation of the Classification Societies, Dresden, Germany	“ <i>Clustering and Dimensional Reduction for Mixed Variables</i> ” (joint work with M. Vichi e H.A.L. Kiers)
2009	CLADAG2009, Conference of the Italian Classification and Data Analysis Group, Catania, Italy	“ <i>Regression models for multivariate mixed responses</i> ” (joint work with M. Alfò e L. Nieddu)
2010	International Conference COMPSTAT2006, Paris, France	“ <i>Clustering discrete choice data</i> ” (joint work with M. Alfò)
2011	CLADAG2011, Conference of the Italian Classification and Data Analysis Group, Pavia, Italy	“ <i>Model based clustering of consumer choice data</i> ” (joint work with M. Alfò)
2012	JCS - CLADAG 2012, International Joint Meeting of the Japanese and Italian Classification Societies, Anacapri, Italy	“ <i>Partitioning Asymmetric Dissimilarity Data</i> ”
2013	CLADAG2013, Conference of the Italian Classification and Data Analysis Group, Modena, Italy	“ <i>A general model for INDCLUS with external information</i> ” (joint work with L. Bocci)
2014	International Conference PLS2014, Paris, France	“ <i>Multivariate regression modeling with clustered correlated predictors</i> ” (joint work with F. Martella e M. Vichi)
2014	International Conference COMPSTAT2014, Geneve, Switzerland	“ <i>GINCLUS: generalized INDCLUS including external information</i> ” (joint work with L. Bocci)
2015	IFCS2015, International Conference of the International Federation of the Classification Societies, Bologna, Italy	“ <i>Advances in clustering asymmetric proximity data</i> ”
2019	ERCIM2019, 12th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2019), London, UK	“ <i>Clustering objects in three-way proximity data</i> ” (joint work with L. Bocci) in the Invited Session on “ <i>Clustering and Classification</i> ”

VII(C) – Research activity – Participation to National /International Conferences – Contributed Talks (Selected since 2000)

(Partecipazione in qualità di relatore ad eventi scientifici (convegni, conferenze, workshop nazionali e internazionali)

Year	Contributed Talk – Conference
2000	<i>Structural Analysis of Dissimilarity Data</i> (with M. Vichi) – SIS2000, Firenze, Italy
2000	<i>Three-way partial correlation measures</i> – IFCS2000, Namur, Belgium

2001	<i>Simultaneous Classification and Multidimensional Scaling Using External Information</i> (with M. Vichi – CLADAG2001, Palermo, Italy)
2001	<i>Structural Classification Analysis of Three-Way Dissimilarity Data</i> (with M. Vichi) – IMPS-2001 (International Meeting of the Psychometric Society), Osaka, Japan
2002	<i>“A Mixture Model for Clustering Three-Way Proximity Data</i> (with L. Bocci and M. Vichi) – SIS2002, Milano, Italy
2002	<i>Classification of three-way proximity data”</i> (with L. Bocci and M. Vichi) – IFCS2002, Cracow, Poland
2005	<i>Finite mixture models for image segmentation</i> (with M. Alfò and L. Nieddu) – CLADAG2005, Parma, Italy
2006	<i>Two-Sided Generalized Topp and Leone (TS-GTL) distributions</i> (with J.R. van Dorp and S. Kotz) – COMPSTAT2006 (Roma, Italy)
2008	<i>Factorial K-means for mixed variables</i> (with M. Vichi and H.A.L. Kiers) – Joint Meeting SFC – CLADAG 2008, Caserta, Italy
2009	<i>Clustering and dimensional Reduction for Mixed variables</i> (with M. Vichi) – Conference on “Multivariate models and methods for evaluating public services”, Rimini, Italy
2011	<i>Multivariate regression model based on an optimal partition of predictors</i> (with F. Martella and M. Vichi) – CLADAG2011, Pavia, Italy
2014	<i>A k-means-Based Recursive Partitioning Classification Algorithm</i> (with L. Nieddu) – XXI Rencontre de la Société Francophone de Classification (Rabat, Morocco)
2015	<i>Classification with imperfect supervisor: an iterative approach</i> (with L. Nieddu) – ISI2015 (Rio de Janeiro, Brazil)
2016	<i>A novel standardized partial area index under receiver operating characteristic curves with application to genomic studies</i> (with J. Vivo and M. Franco) – 4th International Work-Conference on Bioinformatics and Biomedical Engineering IWBBIO2016 (Granada, Spain)
2017	<i>Supervised nested algorithm for classification based on k-means</i> (with L. Nieddu) – IFCS2017, Tokyo, Japan
2018	<i>Regression modeling via latent predictors</i> (with F. Martella) – SIS2018, Palermo, Italy
2018	<i>An INDCLUS-type model for occasion-specific complementary partitions</i> (with L. Bocci) – SIS2018, Palermo, Italy
2020	<i>Tertiary students with migrant background: evidence from a cohort enrolled at Sapienza University</i> (with C. Giudici and E. Trappolini) – SIS2020, Italy
2021	<i>Analysis of three-way data: an extension of the STATIS method</i> (joint work with L. Bocci) – SIS2021, Pisa, Italy
2021	<i>Clustering models for three-way data</i> (joint work with P. Giordani) – CLADAG2021, Firenze, Italy

Part VIII – Summary of Scientific Achievements

See the non-selected list of Publications (Part X)

Product type	Number	Start	End
Papers in Scientific Journal	29	1990	2021
Papers in Volume (including chapters or Contributed papers in Books, Proceedings, ...)	35	1994	2021

Books (monograph)	1	2021	2021
Books (curatorship)	2	2012	2014
Technical Report	1	1996	1996

Indicatori Prima Fascia

SC: 13/D1 – STATISTICA

SSD: SECS-S/01 - Statistica

	Indicatore	Soglia
Numero articoli e contributi ultimi 10 anni	30	25
Numero Articoli classe A ultimi 15 anni	11	7
Numero libri ultimi 15 anni	1	0

Part IX – Selected Publications for evaluation (15 papers)

List of the **15** publications selected for the evaluation.

The structure of this list is as follows: Authors, Title, Journal, First page, last page, Year. In brackets bibliometric information are reported, with citations taken from CitGS=Google Scholar (if applicable), CitS=Scopus (if applicable), Impact Factor from WOS for year 2020 (if applicable), Classe A for 13/D1.

- 1) KIERS, H.A.L., **VICARI, D.**, VICHI M., Simultaneous Classification and Multidimensional Scaling with External Information, *Psychometrika*, 70, 3, 433-460, 2005. [CitGS=21, CitS=10, IF=2.5, Classe A]
- 2) BOCCI, L., **VICARI, D.**, VICHI, M., A Mixture Model for the Classification of Three-Way Proximity Data, *Comp. Stat. and Data Anal.*, 50, 7, 1625-1654, 2006. [CitGS=15, CitS=5, IF=1.681, Classe A]
- 3) ALFO', M., NIEDDU, L., **VICARI, D.**, A finite mixture model for image segmentation, *Statistics and Computing*, 18, 137-150, 2008. [CitGS=32, CitS=20, IF=2.559, Classe A]
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Part X – (Non-selected) List of Publications

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