

# F. Marta L. Di Lascio

## Curriculum Vitae

### Personal information

first name Francesca Marta Lilja  
last name Di Lascio  
work address Faculty of Economics and Management, Free University of Bozen-Bolzano, Piazza Università, 1 - 39100, Bozen-Bolzano, Italy  
office phone number +39 0471013285  
e-mail marta.dilascio@unibz.it  
homepage www.fmldilascio.it  
nationality Italian

### Current position

Oct. 2017 – **Fixed-term Assistant Professor of Statistics (RTD Senior).**  
Sept. 2020 Free University of Bozen-Bolzano, Faculty of Economics and Management. Research project: *Multivariate statistical methods*. Supervisor: Prof. F. Ravazzolo  
March 2017 – **National Scientific Qualification for Associate Professor - Sector: 13/D1**  
March 2023 **Statistics.**

### Education and Training

Oct. 2012 – **Fixed-term Assistant Professor of Statistics (RTD Junior).**  
Sept. 2017 Free University of Bozen-Bolzano, Faculty of Economics and Management. Research project: *Statistical methods for risk management*. Supervisor: Prof. F. Durante until 30/12/2016 and Prof. F. Ravazzolo from 31/12/2016  
Oct. 2010 – **Senior Research Fellow.**  
Sept. 2012 Department of Statistical Sciences “P. Fortunati”, University of Bologna, Italy. Research Project: *Missing data imputation by means of copula function*. Supervisor: Prof. P. Monari  
Oct. 2009 – **Research Fellow.**  
Sept. 2010 Rimini Campus Branch, University of Bologna, Italy. Research Project: *Cultural Tourism: an analysis of the capability of tourist attraction of Ancient, Modern and Contemporary art sector*. Supervisor: Prof. S. Giannerini  
Jan. 2008 – **Junior Research Fellow.**  
Sept. 2009 Department of Statistical Sciences “P. Fortunati”, University of Bologna, Italy. Research project: *Statistical models for biological networks*. Supervisor: Prof. A. Roverato  
Apr. 2008 **Ph.D. in Statistics.**  
Department of Statistical Sciences “P. Fortunati”, University of Bologna, Italy. Thesis' title: *Analyzing the Dependence Structure of Microarray Data: a Copula-Based Approach*. Supervisor: Prof. P. Monari, Co-Supervisor: Dr. S. Giannerini

Sept. 2006 – **Visiting Ph.D. student.**

Feb. 2007 Department of Biology, University of Pennsylvania, Philadelphia, PA, USA. Research Project: *Statistical analysis of DNA sequences: dependence structure and cluster analysis in microarray experiments*. Supervisor: Prof. Warren J. Ewens.

Mar. 2004 **Bachelor degree in Statistical Sciences.**

Faculty of Statistical Sciences, University of Bologna, Italy. Final mark: 110/110 *cum laude*. Supervisor: Prof. Estela Bee Dagum.

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## Schools

Feb. 2007 7a International Winter School on “Applied Bioinformatics: the Test Case of Human Genome”, Department of Biology, University of Bologna, Italy. Coordinator: Prof. R. Casadio.

Dec. 2005 5a International Winter School on “REASONing under PARTial Knowledge”, Department of Mathematics and Computer Sciences, University of Perugia, Italy. Coordinator: Prof. R. Scozzafava.

July 2005 Summer course of Statistics and Probability “Sequential Design and Analysis with Application to Clinical Trials”, Bocconi University, Milan, Italy. Coordinator: Prof. D.M. Cifarelli.

May 2004 SIS School “Nonlinear time series analysis: theory and applications”, Statistical Italian Society (SIS), University Campus of Fisciano, Salerno, Italy. Coordinator: Prof. A. De Rose.

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## Research interests

Copula function and multivariate dependence

Clustering techniques

Imputation methods for multivariate missing data

Statistical applications in Environmental science, Finance, Accounting, Cultural Economics, Tourism, Medicine, and Biology

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## Publications

Refereed

Journals

1. DI LASCIO, F.M.L. and Giannerini, S. (2019) “Clustering dependent observations with copula functions”. *Statistical Papers*, 60(1), p. 35-51. DOI 10.1007/s00362-016-0822-3. (A Anvur category).
2. DI LASCIO, F.M.L., and Giammusso, D., and Puccetti, G. (2018) “A clustering approach and a rule of thumb for risk aggregation”. *Journal of Banking & Finance*, 96, p. 236-248. DOI: 10.1016/j.jbankfin.2018.07.002. (A Anvur category)
3. DI LASCIO, F.M.L. and Disegna, M. (2017) “A copula-based clustering algorithm to analyse EU country diets”. *Knowledge-Based Systems*, 132, p. 72-84. DOI: 10.1016/j.knosys.2017.06.004. (A Anvur category)
4. DI LASCIO, F.M.L., Durante, F., and Jaworski, P. (2016) “Truncation invariant copulas and a testing procedure”. *Journal of Statistical Computation and Simulation*, 86(12), p. 2362-2378. DOI 10.1080/00949655.2015.1110820.

5. Visani, F., Barbieri, P., DI LASCIO, F.M.L., Raffoni, A. and Vigo, D. (2016). "Supplier's total cost of ownership evaluation: a data envelopment analysis approach". *Omega*, 61, p. 141-154. DOI 10.1016/j.omega.2015.08.001. (A Anvur category)
6. Candela, G., Castellani, M., Pattitoni, P. and DI LASCIO, F.M.L. (2016). "On Rosen's and Adler's hypotheses in the modern and contemporary visual art market". *Empirical Economics*, 51(1), p. 415-437. DOI 10.1007/s00181-015-1002-3.
7. Cesario, V., Accogli, E., Domanico, A., DI LASCIO, F.M.L., Napoleone, L., Gasbarrini, A., and Arienti, V. (2016). "Percutaneous real-time sonoelastography as a non-invasive tool for the characterization of solid focal liver lesions: A prospective study". *Digestive and Liver Disease*, 48(2), p. 182-188. DOI 10.1016/j.dld.2015.11.005.
8. DI LASCIO, F.M.L., Giannerini, S. and Reale, A. (2015) "Exploring copulas for the imputation of complex dependent data". *Statistical Methods & Applications*, 24(1), p. 159-175, DOI 10.1007/s10260-014-0287-2. (A Anvur category)
9. DI LASCIO, F.M.L. and Roverato A. (2013) "Wilks' dissimilarity for gene clustering: computational issues". *Epidemiology, Biostatistics and Public Health*, 10(2), p. e8761-1—e8761-10, DOI: 10.2427/8761
10. DI LASCIO, F.M.L. and Giannerini, S. (2012) "Clustering Microarray Data: Theoretical and Practical Issues". *Communications in Statistics - Theory and Methods*, 41(16-17), p. 3211-3232. DOI:10.1080/03610926.2011.654036
11. DI LASCIO, F.M.L. and Giannerini, S., (2012). "A Copula-Based Algorithm for Discovering Patterns of Dependent Observations". *Journal of Classification*, 29(1), p. 50-75. DOI: 10.1007/s00357-012-9099-y.
12. DI LASCIO, F.M.L., Giannerini, S. Scorcu, A.E. and Candela, G. (2011) "Cultural tourism and temporary art exhibitions in Italy: a panel data analysis". *Statistical Methods & Applications*, 20(4), p. 519–542. DOI:10.1007/s10260-011-0175-y. (A Anvur category)
13. Roverato, A. and DI LASCIO, F.M.L. (2011) "Wilks'  $\Lambda$  Dissimilarity Measures for Gene Clustering: An Approach Based on the Identification of Transcription Modules". *Biometrics*, 67(4), p. 1236–1248 (Paper) and p. 1-8 (Supplementary Materials). DOI: 10.1111/j.1541-0420.2011.01571.x. (A Anvur category)
14. Pacella, C.M., Francica, G., DI LASCIO, F.M.L. et al., (2009). "Long-Term Outcome Of Cirrhotic Patients With Early Hepatocellular Carcinoma Treated With Ultrasound-Guided Percutaneous Laser Ablation: A Retrospective Analysis". *Journal of Clinical Oncology*, 27(16), p. 2615-2621. DOI: 10.1200/JCO.2008.19.0082.
15. Arienti, V., Pretolani, S. et al., DI LASCIO, F.M.L. (2008). "Complications of Laser Ablation for Hepatocellular Carcinoma: A Multicenter Study". *Radiology*, 246(3), p. 947-55. Included in the section "This Month in Radiology" which emphasizes the best original researches published on Radiology. DOI: 10.1148/radiol.2463070390.

#### Software packages

1. DI LASCIO, F.M.L. and Giannerini, S. (2017) "CoClust: Copula Based Cluster Analysis" (version 0.3-2), R Software Package available on the CRAN at <http://cran.r-project.org/web/packages/CoClust/index.html>.
2. DI LASCIO, F.M.L. and Giannerini, S. (2016) "Colmp: copula based imputation method" (version 0.3-1), R Software Package available on the CRAN at <http://cran.r-project.org/web/packages/CoImp/index.html>.

Volumes and  
Paper  
Proceedings

1. DI LASCIO, F.M.L. (2018) "CoClust: An R Package for Copula-based Cluster Analysis", in *Recent Applications in Data Clustering*, p. 93-114. Ed. Harun Pirim, IntTech Publisher. ISBN: 978-1-78923-527-2. DOI: 10.5772/intechopen.74865.
2. DI LASCIO, F.M.L., Durante, F. and Pappadà, R. (2017) "Copula-based clustering methods", *Copulas and Dependence Models with Applications*, p. 49-67. Eds Úbeda-Flores, M., de Amo, E., Durante, F. and Fernández Sánchez, J., Springer International Publishing. ISBN: 978-3-319-64220-8.
3. DI LASCIO, F.M.L., Durante, F. and Jaworski, P. (2016) "A Test for Truncation Invariant Dependence", *Soft Methods for Data Science, Series: Advances in Intelligent Systems and Computing*, vol. 456, p. 173-180, Eds. M.B. Ferraro, P. Giordani, B. Vantaggi, M. Gagolewski, M. Ángeles Gil, P. Grzegorzewski, O. Hryniewicz, Springer-Verlag. ISBN: 978-3-319-42971-7. DOI 10.1007/978-3-319-42972-4\_22.
4. DI LASCIO, F.M.L and Giannerini, S. (2015) "Colmp R package: copula-based multivariate imputation", *Proceedings of SIS2015 Statistical Conference: Statistics and Demography: the Legacy of Corrado Gini, (Treviso, Italy)*, p. 1-6, ISBN: 978 886787 4521. <http://meetings.sis-statistica.org/index.php/ginilegacy/SIS2015/paper/viewFile/3390/758>
5. Rossi L., DI LASCIO, F.M.L, Pacelli B. and Magnani M. (2015) "Descrivere un Social Network Site: un approccio empirico" in Boccia Artieri G. (a cura di), *Gli effetti sociali del web*, FrancoAngeli, Milano, p. 52-62. ISBN 978-88-204-1741-3.
6. DI LASCIO, F.M.L, Giannerini, S. and Reale, A.(2014) "Imputation of complex dependent data by conditional copulas: analytic versus semiparametric approach", *Book of proceedings of the 21st International Conference on Computational Statistics (COMPSTAT 2014)*, p. 491-497. ISBN 9782839913478. <http://www.compstat2014.org/auxil/Proceedings-COMPSTAT2014.pdf>
7. DI LASCIO, F.M.L. and Giannerini, S. (2013) "A copula-based approach for discovering inter-cluster dependence relationships", *Cladag 2013 - 9th Meeting of the Classification and data Analysis Group - Book of Abstracts*, Editors: T. Minerva, I. Morlini, F. Palumbo, p. 162-165 del volume in pdf (p. 1-4). ISBN 9788867871179.
8. Candela, G., DI LASCIO, F.M.L., Giannerini, S. and Scorcu, A.E. (2013) "L'impatto dell'offerta culturale temporanea sui flussi turistici" in *Percorsi creativi di turismo urbano - Beni culturali e riqualificazione nella città contemporanea. a cura di Cusimano G., Mercatanti L., Porto C.M.*. Patron, Bologna, p. 58-71, ISBN: 9788855532433.
9. DI LASCIO, F.M.L. (2010) "Analyzing the Dependence Structure of Microarray Data: a Copula-based Approach". *Book of short papers of PhD Theses in Statistics and Applications*, vol. 1, p. 53-57, Cleup, Padova, ISBN/ISSN: 978-88-6129-520-9.
10. Celli, F. DI LASCIO, F.M.L. Magnani, M. Pacelli, B. and Rossi, L. (2010) "Social Network Data and Practices: The Case of Friendfeed". *Advances in Social Computing*, (Eds: Chai, S.K., Salerno, J., Mabry, P.) vol. 6007, p. 346-353. Series: *Lecture Notes in Computer Science*, Springer Berlin. ISBN: 978-3-642-12078-7. DOI: 10.1007/978-3-642-12079-4\_43.

11. DI LASCIO, F.M.L. and Roverato, A. (2010) "Comparison of correlation-based dissimilarity measures for clustering genes with DAG structure". Proceedings of CIBB 2010 – Seventh International Meeting on Computational Intelligence methods for Bioinformatics and Biostatistics – Palazzo Comitini, Palermo (Italy). September 16th-18th, 2010, p. 1-9, USB stick with ISBN: 978-88-95272-87-0.
12. DI LASCIO, F.M.L. and Roverato, A. (2010) "Partial ordering of dissimilarity measures for gene clustering". Proceedings of the 45th Scientific Meeting of the Italian Statistical Society (SIS) – University of Padua (Italy). June 16th-18th, 2010. p. 1-8, USB stick with ISBN 978-88-6129-566-7.
13. Roverato, A. and DI LASCIO, F.M.L. (2009) "Clustering variables with DAG structure", Proceedings of the Workshop S.Co. 2009 - Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction (Editors: Paganoni, A.M., Sangalli, L.M., Secchi, P., Vantini, S.), Maggioli Editore, Santarcangelo di Romagna (RN), p. 369-374, ISBN 978-88-387-4385-1
14. Bianchi, G., DI LASCIO, F.M.L., Giannerini, S., Manzari, A., Reale, A. and Ruocco, G. (2009) "Exploring copulas for the imputation of missing nonlinearly dependent data", Book of Short Papers of Classification and Data Analysis 2009, (Editors: Salvatore Ingrassia and Roberto Rocci), Seventh Meeting of the Classification and Data Analysis Group of the Italian Statistical Society (Cladag), Cleup. Padova, p. 429-432, ISBN: 978-88-6129-406-6.
15. DI LASCIO, F.M.L. (2006). "A New Starting Point to Analyze the Nonlinear Time Series: the Nonlinear ARMA Doubly Stochastic and State Dependent Models". Proceedings of the 5a Annual International Conference on Statistics, Mathematics and Related Fields, Honolulu, Hawaii, January 16th–18th, 2006, p. 1-18 (p. 453-470 pdf) ISSN: 1550-3747.

Abstract  
Proceedings

1. DI LASCIO, F.M.L., Menapace, A. and Righetti, M. (2019) "Joint and conditional dependence modelling of district heating demand and weather conditions: a copula-based approach", Book of Abstracts of the 5th Joint Statistical Meeting DAGStat 2019, LMU Munich, Germany, p. 327.
2. DI LASCIO, F.M.L., Durante, F. and Fuchs S. (2019) "Dissimilarity functions for copula-based hierarchical clustering of continuous variables", Book of Abstracts of the 5th Joint Statistical Meeting DAGStat 2019, LMU Munich, Germany, p. 213.
3. DI LASCIO, F.M.L., Menapace, A. and Righetti, M. (2019) "Joint and conditional dependence modelling of district heating demand and weather conditions: a copula-based approach", Book of Abstracts of the 14th Workshop on Stochastic Models, Statistics and their Application (SMSA 2019), Technische Universität Dresden (TUD), Germany, p. 38-39.
4. DI LASCIO, F.M.L., Menapace, A. and Righetti, M. (2018) "A copula-based modelling of peak district heating demand and outdoor temperature", Book of Abstracts of the 12th International Conference on Computational and Financial Econometrics (FCE 2018), p. 98, ISBN 978-9963-2227-5-9.
5. Arienti, V., Buonauro, A., Donnarumma, E., Tassone, E.J., DI LASCIO, F.M.L. and Dellacasa, C. (2018) "Survey on Ultrasound (US) Education of the Residents in Italian Internal Medicine Specialization Schools (IIMSS): Preliminary Results", Abstracts of the 119th Annual Congress 2018 of the Italian Society of Internal Medicine (SIMI 2018), p. 12.

6. Fuchs, S., DI LASCIO, F.M.L and Durante, F. (2017) "Dissimilarity functions for copula-based hierarchical clustering of continuous variables", Book of Abstracts of the 10th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (CMStatistics 2017), p. 120, ISBN 978-9963-2227-4-2.
7. DI LASCIO, F.M.L and Giannerini, S. (2017) "Imputation of complex dependent data: a copula-based approach", Proceedings of Conference on Innovations in Insurance, Risk and Asset Management, KPMG Center of Excellence in Risk Management, Garching-Hochbrück, Munich, Germany, p. 29-31.
8. DI LASCIO, F.M.L and Giannerini, S. (2017) "A conditional copula-based technique to impute complex multivariate dependent data", Proceedings of the 13th Workshop on Stochastic Models, Statistics and Their Applications, Ed A. Steland and W. Kössler, Berlin, Germany, p. 56-57.
9. DI LASCIO, F.M.L and Giannerini, S. (2016) "A conditional copula-based imputation technique", Booklet of the Workshop on Dependence Models & Copulas, Salzburg, Austria, p. 27.
10. DI LASCIO, F.M.L and Giannerini, S. (2015) "Colmp: a copula-based imputation method", Proceedings of IWS2015 - Eight International Workshop on Simulation, Wien, Austria, p. 69-70, ISBN: 978 3 900932 28 2.
11. DI LASCIO, F.M.L, Giannerini, S. and Reale A. (2014) "A conditional copula-based technique to impute complex dependent data", Book of Abstracts of the 7th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (ERCIM 2014), p. 81.
12. Cesario, V., Accogli, E., Domanico, A., DI LASCIO, F.M.L., Napoleone, L., Gasbarrini, A. and Arienti, V. (2014) "Real-time sonoelastography (RTS) as non-invasive tool for the characterization of solid focal liver lesions (FLL)", Internal and Emergency Medicine, Suppl. 1, Proceedings of the 115th National Congress of the Italian Society of Internal Medicine, Rome, Italy, October 25th-27th, 2014, p. S24.
13. DI LASCIO, F.M.L and Disegna, M. (2014) "Food Consumption Patterns of European Countries: An Application of the CoClust Algorithm". Proceedings of the Annual Meeting of the Austrian Statistical Society 2014, p. 5.
14. DI LASCIO, F.M.L and Giannerini, S. (2013) "A multivariate technique based on conditional copula for the imputation of complex dependent data", Book of Abstracts of the 6th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics (ERCIM 2013), p. 52.
15. DI LASCIO, F.M.L. and Giannerini, S. (2013) "A copula-based approach for discovering inter-cluster dependence relationships", Book of Abstracts of the Seventh International Workshop on Simulation, Quaderni di Dipartimento Serie Ricerche 2013 of the Department of Statistical Sciences of the University of Bologna, n. 3 (ISSN 1973-9346), p. 125-126. DOI:10.6092/unibo/amsacta/3677.
16. Roverato, A. and DI LASCIO, F.M.L. (2010) "Wilks' Lambda Dissimilarity Measures for Gene Clustering: an Approach Based on the Identification of Transcription Modules". Proceedings of the Greco Italian Meeting - Porto San Paolo, Sardegna, Italy. September 23rd-25th, 2010, p. 1-3.

17. DI LASCIO, F.M.L. and Giannerini, S. (2008). "A new copula-based clustering algorithm". Proceedings of the XLIV Riunione Scientifica della Società Italiana di Statistica (SIS), University of Calabria, Campus of Arcavacata (CS), Italy, Cleup, Padova, ISBN 978-88-6129-228-4. [http://old.sis-statistica.org/files/pdf/atti/rs08\\_spontanee\\_9\\_5.pdf](http://old.sis-statistica.org/files/pdf/atti/rs08_spontanee_9_5.pdf).
18. Pacella, C.M., Francica, G., DI LASCIO, F.M.L. et al. (2007). "Albumin Level and Tumor Size Predicts Survival in 432 Patients with Hepatocellular Carcinoma  $\leq 4$ cm Treated with Percutaneous Laser Ablation: A Multicentric Study". Radiological Society of North America 2007 Scientific Assembly and Annual Meeting, November 25 - November 30, 2007, Chicago IL. <http://archive.rsna.org/2007/5013382.html>.
19. Pacella, C.M., Francica, G. et al., DI LASCIO, F.M.L. (2007). "Fattori predittivi della sopravvivenza a 5 anni in 432 pazienti cirrotici con 548 noduli di epatocarcinoma  $\leq 4$ cm trattati con ablazione laser percutanea eco guidata: risultati di uno studio multicentrico". Proceedings of the XIX National Congress SIUMB, Roma, Italy, November 17th-21st, 2007, p. 54.
20. Pacella, C.M., Francica, G. et al., DI LASCIO, F.M.L. et al., (2007). "Five-year survival in 432 cirrhotic patients with hepatocellular carcinoma (HCC)  $\leq 4$  cm treated with US-guided percutaneous laser ablation (PLA): a multicenter study". Proceedings of the XIX Congress EUROSON, Leipzig, Germany, October 24th-27th, 2007, published on the European Journal of Ultrasound, vol. 28, 2007, p. S1, ISSN 1431-4894.
21. DI LASCIO, F.M.L. and Ewens, W.J. (2007). "Comparison between K-Means and Hierarchical Clustering of Dependent and Independent Data Generated from Multivariate Gaussian Copula Function". Annual Conference of the New Zealand Statistical Association (NZSA), University of Canterbury, Christchurch, New Zealand, July 4th-6th, 2007. <http://www.math.canterbury.ac.nz/nzsa2007/s1a3.shtml>.
22. Arienti, V., Pretolani, S. et al., DI LASCIO, F.M.L. (2006). "Complications of Percutaneous Laser Ablation for Hepatocellular Carcinoma: A Multicenter Study in 520 Patients". Proceedings of the 18th Congress of Ultrasound in conjunction with the XVIII National Congress SIUMB, Bologna, Italy, September 15th-19th, 2006, published on the Giornale Italiano di Ecografia 2006, Vol. 9, Suppl. 1 al n.3, p. 30.
23. Accogli, E., Tittoto, P., Romanico, A., DI LASCIO, F.M.L. et al., (2005). "Accuratezza diagnostica dell'ecografia con mezzo di contrasto (CEUS) vs l'ecografia basale nella caratterizzazione dell'iperplasia nodulare focale (INF)". Proceedings of the XVII National Congress of the Italian Society of Ultrasound in Medicine and Biology (SIUMB), Roma, Italy, November 12th-15th, 2005, p. 4-5.
24. DI LASCIO, F.M.L. (2005). "Nonlinear ARMA doubly stochastic and state dependent models: a new general approach to nonlinear time series analysis". Booklet of abstracts, 30th Conference on Stochastic Processes and their Applications. University of California, Santa Barbara, California, USA, June 26th-July 1st, 2005, p. 32.

#### PhD thesis

DI LASCIO, F.M.L. (2008). "Analyzing the Dependence Structure of Microarray Data: a Copula-Based Approach". Ph.D. dissertation. AMS Collection – AlmaDL- University of Bologna, Italy.

#### Other

1. DI LASCIO, F.M.L. e Zagoraiou, M. (2009). "Malati rari: aiutare chi fa parte di una minoranza". SisMagazine online.

2. DI LASCIO, F.M.L. (2008). "Bioinformatica e Statistica: l'interdisciplinarità come progresso scientifico". SisMagazine online.
3. Rosenberger, W.F. and Hu, F. with the collaboration of di DI LASCIO, F.M.L. et al., (2006). "Randomization for Balancing Treatment Assignments" in "Sequential Design and Analysis with Application to Clinical Trials". Quaderno dell'Istituto di Metodi Quantitativi (IMQ), Bocconi University, Milano, Italy, n. 13, parte I, cap.2, p. 13-25.

Submitted  
papers and  
Works in  
progress

1. DI LASCIO, F.M.L., Menapace, A., and Righetti, M. (201x) "Analysing the relationship between district heating demand and weather conditions through conditional copula". Under review.
2. Visani, F., DI LASCIO, F.M.L., and Gardini, S. (201x) "On the opportunistic use of Non-GAAP financial measures and the role played by the institutional context". Under review.
3. DI LASCIO, F.M.L., Menapace, A., and Righetti, M. (201x) "Joint and conditional dependence modelling of peak district heating demand and outdoor temperature: a copula-based approach". Under review.
4. Gardini, S., DI LASCIO, F.M.L., and Visani, F. (201x) "The impact of institutional and cultural factors on the use of Non-GAAP financial measures in the oil and gas industry". Under review.

## Talks (selection)

Di Lascio, F.M.L. "Joint and conditional dependence modelling of district heating demand and weather conditions: a copula-based approach", Fifth conference of the Deutsche Arbeitsgemeinschaft Statistik (DAGStat), Department of Statistics Ludwig-Maximilians University Munich, Germany, March 18th-22th, 2019.

Di Lascio, F.M.L. "Joint and conditional dependence modelling of district heating demand and weather conditions: a copula-based approach", 14th Workshop on Stochastic Models, Statistics and their Application (SMSA), Technische Universität Dresden (TUD), Germany, March 6th-8th, 2019. Invited talk.

Di Lascio, F.M.L. "La parità di genere nel mondo del lavoro: Italia ed Europa a confronto", Conference on "Lavoro e pari opportunità: i dati di Laives", Free University of Bozen-Bolzano, Faculty of Economics and Management, Italy, January 14th, 2019.

Di Lascio, F.M.L. "Analysis of peak district heating demand through copula function", Workshop on Energy Economics, Free University of Bozen-Bolzano, Bozen-Bolzano, Italy, July 5th-6th, 2018.

Di Lascio, F.M.L. "Copula-based statistical methods and their software implementation", Internal workshop, Free University of Bozen-Bolzano, Bozen-Bolzano, Italy, June 21st, 2017.

Di Lascio, F.M.L. and Giannerini, S. "Imputation of complex dependent data: a copula-based approach", Conference on Innovations in Insurance, Risk- and Asset Management, KPMG Center of Excellence in Risk Management, Garching-Hochbrück, Munich, Germany, April 5th-7th, 2017.



Di Lascio, F.M.L. and Giannerini, S. "A conditional copula-based technique to impute complex multivariate dependent data", 13th Workshop on Stochastic Models, Statistics and Their Applications, Humboldt University of Berlin, Berlin, Germany, February 20th-24th, 2017. Invited talk.

Di Lascio, F.M.L. "A conditional copula-based imputation technique", Salzburg Workshop on Dependence Models & Copulas, Salzburg, Austria, September 19th-21st, 2016. Invited talk.

Di Lascio, F.M.L. "A conditional copula-based technique to impute complex dependent data", Workshop on Applied Statistics, Technische Universität Dresden, Dresden, Germany, March 10th-11th, 2016. Invited talk.

Di Lascio, F.M.L. and Giannerini, S. "Colmp: a copula-based imputation method", IWS2015 - Eight International Workshop on Simulation, Wien, Austria, September 21st-25th, 2015.

Di Lascio, F.M.L. and Giannerini, S. "Colmp R package: copula-based multivariate imputation", SIS2015 Statistical Conference: Statistics and Demography: the Legacy of Corrado Gini, Treviso, Italy, September 9th-11th, 2015.

Di Lascio, F.M.L., Giannerini, S. and Reale A. "A conditional copula-based technique to impute complex dependent data", 7th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) Working Group on Computational and Methodological Statistics, Pisa, Italy, December 6th-8th, 2014.

Di Lascio, F.M.L. "Validation methods for copula-based clustering algorithm", Workshop on "Clustering methods and their applications", Free University of Bozen-Bolzano, Italy, November 28th, 2014.

Di Lascio, F.M.L. and Disegna, M., "Food Consumption Patterns of European Countries: An Application of the CoClust Algorithm". Annual Meeting of the Austrian Statistical Society (ÖSG) 2014, Innsbruck, Austria, September 10th-12th, 2014.

Di Lascio, F.M.L., Giannerini, S. and Reale A. "Imputation of complex dependent data by conditional copulas: analytic versus semiparametric approach". 21st International Conference on Computational Statistics - COMPSTAT 2014, Geneve, Switzerland, August 19th-22th, 2014.

Di Lascio, F.M.L. and Giannerini, S. "Clustering microarray data: an approach based on copula function". Workshop "Mathematical and statistical models for genetic coding", Mannheim University of Applied Science, Institute for Applied Mathematics, Mannheim, Germany. September 26th-28th, 2013. Invited talk.

Di Lascio, F.M.L. and Giannerini, S. "A copula-based approach for discovering inter-cluster dependence relationships". 9th Scientific Meeting of the Classification and Data Analysis Group of the Italian Statistical Society (CLADAG13), University of Modena and Reggio Emilia, Italy. September 18th-20th, 2013. Invited talk.

Di Lascio, F.M.L. and Giannerini, S. "A copula-based approach for discovering inter-cluster dependence relationships". Workshop "Copula modeling: New challenges and techniques", KPMG Center of Excellence in Risk Management, Garching-Hochbrück, Munich, Germany. September 9th, 2013. Invited talk.

Di Lascio, F.M.L. and Giannerini, S. "A copula-based approach for discovering inter-cluster dependence relationships". Seventh International workshop on Simulation, University of Bologna, Rimini, Italy. May 21st-25th, 2013. Specialized session.

Di Lascio, F.M.L. and Giannerini, S. "A Copula-Based Algorithm for Discovering Patterns of Dependent Observations". Poster session, Conference on Evolutionary Computation and Time Series - Villa Mondragone, Monte Porzio Catone, Roma, Italy. June 13th-14th, 2011.

Di Lascio, F.M.L. and Roverato, A. "Comparison of correlation-based dissimilarity measures for clustering genes with DAG structure". Seventh International Meeting on Computational Intelligence methods for Bioinformatics and Biostatistics (CIBB 2010) – Palazzo Comitini, Palermo, Italy. September 16th-18th, 2010.

Candela, G. and Di Lascio, F.M.L. "Turismo, cultura e territorio". Conference on "Eventi, turismo, sviluppo del territorio", Fondazione Cassa dei Risparmi di Forlì and Association Civita, Musei di San Domenico, Forlì, Italy. June 19th, 2010.

Di Lascio, F.M.L. and Roverato, A. "Partial ordering of dissimilarity measures for gene clustering". 45th Scientific Meeting of the Italian Statistical Society (SIS), University of Padua, Italy. June 16th-18th, 2010.

Di Lascio, F.M.L. (2010) "Flussi turistici e offerta culturale". Research fellow day, University of Bologna, Rimini, Italy, March 23rd, 2010.

Roverato, A. and Di Lascio, F.M.L., "Clustering variables with DAG structure", Sixth Conference on Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction (S.Co.09), Laboratory for Modeling and Scientific Computing MOX - Politecnico of Milan, Italy, September 14th-16th, 2009. Invited talk.

Bianchi, G., Di Lascio, F.M.L., Giannerini, S., Manzari, A., Reale, A. and Ruocco, G. "Exploring copulas for the imputation of missing nonlinearly dependent data", Seventh Scientific Meeting of the CLAssification and Data Analysis Group of the Italian Statistical Society (Cladag09), University of Catania, Italy, September 9th-11th, 2009.

Di Lascio, F.M.L. "Gli indizi che motivano una ricerca" in "Flussi turistici e offerta culturale: la valutazione empirica della capacità di attrazione turistica dell'arte classica, moderna e contemporanea" with Battilani P., Candela G., Giannerini S. e Scorci A.E., Dep.to of Economics and quantitative methods, University of Catania, Italy, June 5th, 2009.

Di Lascio, F.M.L. and Giannerini, S. "A new copula-based clustering algorithm". XLIV Scientific meeting of the Italian Statistical Society (SIS), University of Calabria, Arcacavata Campus, (CS), Italy, June 25th-27th, 2008.

Di Lascio, F.M.L. "Nonlinear ARMA doubly stochastic and state dependent models: a new general approach to nonlinear time series analysis". 30a Conference on Stochastic Processes and their Applications, University of California, Santa Barbara, California, USA, June 26th - July 1st, 2005.

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## Organized conferences, specialized sessions and schools

Organizer of the special session on "Clustering of multivariate dependent data" at the 12th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) working group on Computational and Methodological Statistics (CMStatistics 2019), Senate House, University of London, UK, December 14th-16th, 2019. In progress.

Organizer (with D. Ferrari, C. Agostinelli, and N. Umlauf) of the 1st Euregio Summer School in "Data Science for the Social Sciences", Euregio project, Free University of Bozen-Bolzano, Bolzano, Italy, August 28th-31st, 2019. In progress.

Principal organizer of the 2nd School on “Data Analysis and Programming with R”, Free University of Bozen-Bolzano, Bolzano, Italy, August 26th-28th, 2019. In progress.

Organizer of the Meeting on “Lavoro e pari opportunità: i dati di Laives”, Free University of Bozen-Bolzano, Faculty of Economics and Management, Italy, January 14th, 2019.

Organizer of the special session on “Clustering of multivariate dependent data” at the 11th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) working group on Computational and Methodological Statistics (CMStatistics 2018), University of Pisa, Italy, December 14th-16th, 2018.

Member of the Organizing Committee of the “Energy Finance Christmas Workshop (EFC18)”, Free University of Bozen-Bolzano, Faculty of Economics and Management, Italy, December 12th-14th, 2018.

Principal Organizer of the 2nd Workshop on “Clustering methods and their applications (CMA2018)”, Free University of Bozen-Bolzano, Faculty of Economics and Management, Italy, October 26th, 2018.

Organizer of the special session on “Clustering” at the 1st CRoNoS Workshop on Multivariate Data and Software, Poseidonia Beach Hotel, Limassol, Cyprus, April 3rd-5th, 2018.

Organizer of the special session on “Cluster analysis with R” at the 10th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) working group on Computational and Methodological Statistics (CMStatistics 2017), Senate House, University of London, UK, December 16th-18th, 2017.

Organizer (with C. Agostinelli, P.L. Novi Inverardi and A. Zeileis) of the R school “R: Economics in ACTION” (REACTION), Euregio project, University of Trento, Povo scientific campus, Trento, Italy, September 5th-8th, 2017.

Organizer (with Prof. F. Durante) of the special session on “Dependence-based clustering methods” at the 9th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) working group on Computational and Methodological Statistics (CMStatistics 2016), University of Seville, Spain, December 9th-11th, 2016.

Organizer of the special session on “Dependence models in biostatistics and bioinformatics” at the 8th International Conference of the ERCIM (European Research Consortium for Informatics and Mathematics) working group on Computational and Methodological Statistics (CMStatistics 2015), Senate House, University of London, UK, December 12th-14th, 2015.

Principal Organizer of the R school “Data analysis and programming with R”, Free University of Bozen-Bolzano, Faculty of Economics and Management, Italy, November 18th-20th, 2015.

Webmaster of the school “Bolzano-Bozen Risk School”, Free University of Bozen-Bolzano, Faculty of Economics and Management, Italy, September 22nd-23rd, 2015.

Principal Organizer of the Workshop on “Clustering methods and their applications”, Free University of Bozen-Bolzano, Faculty of Economics and Management, Italy, November 28th, 2014.

Organizer (with Prof. F. Durante) of the special session on “Dependence Models” at 21st International Conference on Computational Statistics, International Conference Centre Geneva, Geneva (Switzerland), August 19th-22th, 2014.

Member of the Organizing Committee of the Workshop “Dependence Models and Risk”, Free University of Bozen-Bolzano, School of Economics and Management, Italy, May 27th, 2014.

Member of the Organizing Committee of the Workshop “Research Evaluation”, Free University of Bozen-Bolzano, School of Economics and Management, Italy, May 10th, 2013.

Executive committee of the Final Workshop PRIN/COFIN 2002 on “Statistical Inference on the Stochastic and Deterministic Dynamics of Observed Time Series”, Bressanone, Italy, June 9th-11th, 2005.

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## Editorial and Referee Activity

Assistant Editor of the Journal “Dependence Modeling” (<http://www.degruyter.com/view/j/demo>). 01.2015 – 12.2017.

Referee for Statistics and Computing, Computational Statistics and Data Analysis (CSDA), Statistical Methods and Applications (SMA), Biometrical Journal, Journal of Applied Statistics (JAS), Dependence Modeling, AStA Advances in Statistical Analysis, COMPSTAT, Quality & Quantity, Statistica.

Reviewer for Mathematical Reviews.

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## Research grants and other funding received

### PRIN.

- 2018 – 2020 National PRIN Project (Ex 40%) “Hi-Di NET: Econometric Analysis of High Dimensional Models with Network Structures in Macroeconomics and Finance”. Coordinator: Prof. M. Billio. Budget: 1.115.490,00 euro.
- 2008 – 2010 National PRIN Project (Ex 40%) “Statistical methods for learning in clinical research”. Coordinator: Prof. M. Gasparini. Budget: 41.126 euro.
- 2008 – 2010 National PRIN Project (Ex 40%) “Metodi di calcolo evolutivo in Statistica”. Coordinator: Prof. F. Battaglia. Budget: 52.315 euro.
- 2005 – 2006 National Murst Project (Ex 40%) “Parametric and non parametric estimation and forecasting of time series conditional moment dynamics”. Coordinator: Prof. E. Bee Dagum. Budget: 65.000 euro.

### ISTAT.

- 2010 – 2012 Member of the scientific group for the project “New methods to impute missing data by using copula functions”, Agreement between the National Institute for Statistics (ISTAT) and the Department of Statistical Science, University of Bologna, Italy. Budget for the UNIBO: 30.000 euro.

### UNIBZ.

- 2018 – 2020 Principal Investigator of the research project “The use of Copula for the Analysis of Complex and Extreme Energy and Climate data (CACEEC)”, Internal call, Free University of Bozen-Bolzano (Italy). Budget: 7.000 euro.
- 2018 – 2021 Member of the research project “High-Performance statistical methods for Spatio-Temporal Environmental and econometric data (HIPSTER)”, CRC-ID call 2018, Free University of Bozen-Bolzano (Italy). PI: Prof. D. Ferrari. Budget: 80.000 euro.

- 2018 – 2021 Member of the research project “RELIable ASsessment of the Selection Uncertainty for statistical models by REsampling (REASSURE)”, Start-up fund, Free University of Bozen-Bolzano (Italy). PI: Prof. D. Ferrari. Budget: 50.000 euro.
- 2017 – 2019 Member of the research project “Forecasting and Monitoring Electricity Prices and Volumes”, Free University of Bozen-Bolzano (Italy). PI: Dr. A. Gianfreda. Budget: 9.000 euro.
- 2016 – 2018 Co-Investigator of the research project “New Directions in Dependence Modeling (NEW-DEMO)”, CRC call 2016, Free University of Bozen-Bolzano (Italy). PI: Prof. F. Durante (until 30/12/2016) and F. Ravazzolo (from 31/12/2016). Budget: 37.500 euro.
- 2016 – 2018 Principal Investigator of the research project “Aggregation functions for Innovation and Data Analysis (AIDA)”, CRC call 2016, Free University of Bozen-Bolzano (Italy). PI: Prof. F. Durante until 30/12/2016, Prof. A. Weissensteiner from 31/12/2016 until 31/01/2018. Budget: 38.000 euro.
- 2015 – 2018 Member of the research project “Positive heuristics and entrepreneurial team decision making (PH)”. Faculty of Economics and Management, Free University of Bozen-Bolzano, Italy. PI: Dr. E. Villani. Budget: 99.000 euro.
- 2014 – 2017 Principal Investigator of the project “Correlation, Clustering, and Copulas: Detecting association in multivariate data (COCCO)”, Free University of Bozen-Bolzano (Italy). (PI: Prof. F. Durante until 30/12/2016). Budget: 9.900 euro.
- 2013 – 2016 Principal Investigator of the Individual project “Multivariate analysis techniques based on copula function”, Free University of Bozen-Bolzano (Italy). Budget: 4.300 euro.
- 2013 – 2016 Member of the research project “Modelling multivariate dependence and extremes (MODEX)”, Free University of Bozen-Bolzano (Italy). PI: Prof. F. Durante. Budget: 20.000 euro.

#### **EUREGIO Mobility Fund.**

- 2018 – 2019 Member of the of the project “First Euregio Summer School in Data Science and Statistics for the Social Sciences” for the organization of a school at the Free University of Bozen-Bolzano,, Italy, 2019. Coordinator: Davide Ferrari, Free University of Bozen-Bolzano, Italy, Partner n. 1: Claudio Agostinelli, University of Trento, Italy. Partner n. 2: Nikolaus Umlauf, University of Innsbruck, Austria. Budget: 7.920 euro.
- 2016 – 2017 Partner n. 1 of the project “R: Economics in ACTION (REACTION)” for the organization of a school at the University of Trento, Povo scientific campus, Trento, Italy, September 5th-8th, 2017. Coordinator: Claudio Agostinelli, University of Trento, Italy, Partner n. 2: Achim Zeileis, University of Innsbruck, Austria. Budget: 9.680 euro.

#### **DAAD.**

- 2016 – 2017 Member of the research project “Copula Function and Application in Pricing of Structured Credit Derivative by Embedding of Advanced Clustering Algorithm”, Department of Econometrics and Statistics, esp. Transportation in Institute for Transport & Economics of Technische Universität Dresden (TUD) - German Academic Exchange Service (DAAD). Leading professors: Ostap Okhrin (TUD), Fabrizio Durante (UNIBZ). Budget: 2.322 euro.

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### Scientific collaborations (external to Universities)

- 2013, 2015 PRISMA SRL for econometric and statistical analysis of data.

2005–2007, Italian Group of Ultrasonography (GIUMI) - Maggiore Hospital of Bologna, Italy for  
2016, 2018 statistical analysis of data.

## Teaching Experience

a.y. 2018 – 2019 **Lecturer.**

1. “Quantitative research methods” (29022), (with F. Ravazzolo and S. Stillman; teaching language: English), PhD program in Management and Economics, Free University of Bozen–Bolzano, Faculty of Economics and Management.
2. “Statistics of the Public Sector, M-1 Introduction to statistical methods”, Master in Public Policies and Administration (LM-63), Free University of Bozen–Bolzano, Faculty of Economics and Management.
3. “Statistics for SES (economics and social sciences)”, Bachelor in Economics and Social Sciences (L-33), Free University of Bozen–Bolzano, Faculty of Economics and Management.

a.y. 2017 – 2018 **Lecturer.**

1. “Statistics of the Public Sector, M-1 Introduction to statistical methods”, Master in Economics and Management of the Public Sector (LM-63), Free University of Bozen–Bolzano, Faculty of Economics and Management.
2. “Statistics”, Bachelor in Economics and Management (L-18), Free University of Bozen–Bolzano, Faculty of Economics and Management.

### **Lecturing assistant.**

“Statistics for SES”, Bachelor in Economics and Social Sciences (L-33), Free University of Bozen–Bolzano, Faculty of Economics and Management.

a.y. 2016 – 2017 **Lecturer.**

1. “Statistics of the Public Sector, M-1 Introduction to statistical methods”, Master in Economics and Management of the Public Sector (LM-63), Free University of Bozen–Bolzano, Faculty of Economics and Management.
2. “Statistics”, Bachelor in Economics and Management (L-18), Free University of Bozen–Bolzano, Faculty of Economics and Management.

### **Lecturing assistant.**

“Statistics for SES”, Bachelor in Economics and Social Sciences (L-33), Free University of Bozen–Bolzano, Faculty of Economics and Management.

a.y. 2015 – 2016 **Lecturer.**

1. “Analytics and Data Science in Economics and Management I”, (teaching language: English), PhD program in Computer Science and System Engineering, School for Advanced Study - IMT, Lucca, Italy.
2. “Statistics of the Public Sector, M-1 Introduction to statistical methods”, Master in Economics and Management of the Public Sector (LM-63), Free University of Bozen–Bolzano, Faculty of Economics and Management.
3. “Statistics”, Bachelor in Economics and Management (L-18), Free University of Bozen–Bolzano, Faculty of Economics and Management.

### **Lecturing assistant.**

“Statistics for SES”, Bachelor in Economics and Social Sciences (L-33), Free University of Bozen–Bolzano, Faculty of Economics and Management.

a.y. 2014 – 2015 **Lecturer.**

1. “Statistics of the Public Sector, M-1 Introduction to statistical methods”, Master in Economics and Management of the Public Sector (LM-63), Free University of Bozen–Bolzano, Faculty of Economics and Management.
2. “Statistics”, Bachelor in Economics and Management (L-18), Free University of Bozen–Bolzano, Faculty of Economics and Management.

### **Lecturing assistant.**

"Statistics for SES", Bachelor in Economics and Social Sciences (L-33), Free University of Bozen–Bolzano, Faculty of Economics and Management.

#### **a.y. 2013 – 2014 Lecturer.**

1. "Statistics of the Public Sector, M-1 Introduction to statistical methods", Master in Economics and Management of the Public Sector (LM-63), Free University of Bozen–Bolzano, School of Economics and Management.
2. "Statistics", Bachelor in Economics and Management (L-18), Free University of Bozen–Bolzano, School of Economics and Management.

#### **a.y. 2012 – 2013 Lecturer.**

1. "Statistics", Bachelor in Economics and Management (L-18), Free University of Bozen–Bolzano, School of Economics and Management.
2. "Statistics for SES", Bachelor in Economics and Social Sciences (L-33), Free University of Bozen–Bolzano, School of Economics and Management.

### **E-learning Teaching Assistant.**

"Statistics", University of Bologna, Rimini Campus Branch, Italy.

#### **a.y. 2011 – 2012 Teaching assistant.**

1. "Statistics", Bachelor in Business and Economics, Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.
2. "Applied Statistics", (Second cycle) Bachelor in Economics and Law, Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.
3. "Statistics", Bachelor in Economics and Management, Faculty of Economics, University of Bologna, Italy. Supervisor: Dr. M. Lupparelli.

#### **a.y. 2010 – 2011 Teaching assistant.**

1. "Time series analysis", Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Prof. M. Pillati.
2. "Applied Statistics", Bachelor in Economics, Faculty of Economics, University of Bologna, Rimini Campus Branch, Italy. Supervisor: Dr. S. Giannerini.
3. "Statistics for tourism", Bachelor in Tourism Economics, Faculty of Economics, University of Bologna, Rimini Campus Branch, Italy. Supervisor: Dr. P. Foschi.
4. "Applied Statistics", (Second cycle) Bachelor in Economics and Law, Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.
5. "Statistics", Bachelor in Economics, Faculty of Economics, University of Bologna, Italy. Supervisor: Dr. P. Bortot.

#### **a.y. 2009 – 2010 Teaching assistant.**

1. "Time series analysis", Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Prof. M. Pillati.
2. "Elements of statistics and computer sciences", Bachelor in International cooperation, Faculty of Political sciences, University of Bologna, Italy. Supervisor: Prof. M. Pillati.
3. "Multivariate Analysis", Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Prof. M. Pillati.
4. "Statistics", Bachelor in Economics and Law, Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.
5. "Applied Statistics", (Second cycle) Bachelor in Economics and Law, Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.
6. "Statistics Im", (Second cycle) Bachelor in Economics, Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.
7. "Statistics", Bachelor in Economics (CLEP), Faculty of Economics, University of Bologna, Italy. Supervisor: Dr. P. Bortot.

a.y. 2008 – 2009 **Teaching assistant.**

1. “Time series analysis and multidimensional”, Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Prof. M. Pillati.
2. “Statistical Models (Advanced course)”, Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Dr. G. Galimberti.
3. “Statistics”, Bachelor in Economics and Law (CLED), Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.
4. “Applied Statistics”, (Second cycle) Bachelor in Economics and Law, Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.

a.y. 2007 – 2008 **Teaching assistant.**

1. “Time series analysis and multidimensional”, Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Prof. M. Pillati.
2. “Multivariate Analysis”, (Second cycle) Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Prof. A. Montanari.
3. “Institutions of statistics”, Bachelor in Economics and Law (CLED), faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.
4. “Statistics for economics applications”, Bachelor in Economics and Law (CLASED), Faculty of Economics, University of Bologna, Italy. Supervisor: Prof. A. Roverato.

a.y. 2006 – 2007 **Teaching assistant.**

1. “Time series analysis and multidimensional”, Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Prof. M. Pillati.
2. “Multivariate Analysis”, (Second cycle) Bachelor in Statistical Sciences, Faculty of Statistical Sciences, University of Bologna, Italy. Supervisor: Prof. A. Montanari.

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## Seminars and short courses (selection)

- Jan. 2015 Seminar “A copula-based approach for discovering inter-cluster dependence relationships”, EURAC - Center for Biomedicine, Bozen-Bolzano, Italy.
- Aug. 2011 Short course (9 hours) “Exploring copulas for the imputation of missing nonlinearly dependent data”, Department of Statistical Sciences “P. Fortunati”, University of Bologna, Italy.
- Feb. 2010 Faculty Seminar “Modelli per dati panel con applicazioni al campo dell’arte”, Faculty of Economics, Rimini Campus Branch, University of Bologna, Italy.
- Oct. 2005 Department Seminar “Un nuovo approccio alla caratterizzazione dei processi stocastici lineari e non lineari” Department of Statistical Sciences “P. Fortunati”, University of Bologna, Italy.

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## Affiliations

Italian Statistical Society (SIS), International Biometric Society (IBS), International Statistical Institute (ISI) and International Association for Statistical Computing (IASC), Working Group in Computational and Methodological Statistics (CMStatistics), Computationally-intensive methods for the robust analysis of non-standard data (CRoNos), International Association for Energy Economics (IAEE).

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## University Services (selection)

- 2018-Present Member of the Scientific Programme Committee of the International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics).
- 2018-Present Organizer (with A. Fedele) of research seminar series for the cluster “Quantitative Methods and Economic Modeling”, Faculty of Economics and Management, Free University of Bozen-Bolzano.



- 2018-Present Reference lecturer (Docente di riferimento) of the Degree Programme in Economics and Social Sciences (PPE): degree programme council participation.
- 2018-Present Professor in charge for the quality checklist for mobility agreements with the Louvain School of Management, Catholic University of Louvain (UCL).
- 2018-Present Participation at the "Orientation Day", M.Sc. Economics and Management of the Public Sector (LM-63), Faculty of Economics and Management, Free University of Bozen-Bolzano, October 1st, 2018.
- 2018-Present Personal Tutor, Bachelor in Economics and Social Sciences (L-33), Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2017-Present Member of the Selection Committee of research assistants (Post-doc) in Statistics and related fields, Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2017-Present Erasmus grade conversion system, Developer and Responsible person of the sending institution, Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2016-Present Coordinator (with Dr. A. Fedele) of Bozen-Bolzano Economics & Management Paper Series (BEMPS), Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2015-2017 Personal Tutor, B.Sc. Economics and Management (L-18), Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2014-Present Academic supervisor of several internships, Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2013-Present Member of the Selection Committee of research fellows, teaching contract lecturers, lecturing assistants, teaching assistants - SSD Mathematics and Statistics, Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2012-Present Supervisor or co-supervisor of several degree theses, Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2012-Present Member of examining board/former degree thesis, Faculty of Economics and Management, Free University of Bozen-Bolzano.
- 2012-Present Member of several Examination boards (second member), Faculty of Economics and Management, Free University of Bozen-Bolzano.

### **Third mission**

CEV (Commissioni di esperti di valutazione) Interview on the Degree course "Economics and Management of the public Sector (LM63)", Faculty of Economics and Management, Free University of Bozen-Bolzano, April 11th, 2019.

Open Day, Speech for the Bachelor in Economics and Social Sciences (L-33), Faculty of Economics and Management, Free University of Bozen-Bolzano, March 15th, 2019.

Orientamento scolastico: lecture on "Statistica, Bugie e Informazione" for a class of the I.T.E. "C. Battisti" in Bolzano, Free University of Bozen-Bolzano, February 22nd, 2019.

Attended course on "How to teach in an online learning environment" held by Anna Dipace (University of Modena and Reggio), Free University of Bozen-Bolzano, February 20th, 2019.

Junior Uni, “Probabilando”, (with A. Gianfreda), for a class of a primary school in Merano, Faculty of Economics and Management, Free University of Bozen-Bolzano, May 25th, 2018.

Open Day, Speech for the Bachelor in Economics and Social Sciences (L-33), Faculty of Economics and Management, Free University of Bozen-Bolzano, March 16th, 2018.

Usage of innovative teaching tool Audience Response System (ARS) for the Statistics course at bachelor level from a.y. 2017/18.

Academic Training “Moodle and OLE”, December 12th, 2017.

Interview for the Corriere della Sera “In Alto Adige culle piene grazie a servizi e assegni”, March 7th, 2017, p.8. (<https://www.pressreader.com/italy/corriere-della-sera/20170307/281685434637793>).

Collaboration with the Laives municipality for a statistical survey, 2016-2017.

Infodays for Freshers, M.Sc. Economics and Management of the Public Sector (LM-63), Faculty of Economics and Management, Free University of Bozen-Bolzano, September 2016.

Interview for the Corriere dell’Alto Adige, “Migrazioni interne: Trento record, Bolzano rallenta”, May 3rd, 2016, p.7. (<https://www.pressreader.com/italy/corriere-dellalto-adige/20160503/281706908881826>).

Open Day, M.Sc. Economics and Management of the Public Sector (LM-63), Faculty of Economics and Management, Free University of Bozen-Bolzano, March 2015.

Long Night of the Research (LUNA) 2014, project “Quanto sfumato (fuzzy) sei?”, September 2014.

Research Day, Free University of Bozen-Bolzano, June 2013.

Interview for the Corriere dell’Alto Adige, “I nuovi sudtirolesi: single e stranieri”, May 19th, 2013, p.1,7.

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## Computer skills

Familiarity with Microsoft Windows system and basic knowledge of Unix-based system.

Extensive experience in Microsoft OFFICE, OpenOffice.org and LibreOffice.org.

Experience in programming with HTML e JAVASCRIPT.

Extensive experience with R for Windows. Co-author of two R packages: CoClust, Colmp (see Publications section).

Experience with Mathematica, Python, Maple and SPSS for Windows.

Proficiency and extensive experience in editing with LATEX.

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## Languages

Italian mother tongue

English IELTS test - C1 European level (CEFR) - Date of examination: 4 March 2017; Cambridge First Certificate of English - B2 European level (CEFR) - Date of examination: March 2014

German Certificate of the Language center of the Free University of Bozen-Bolzano (computer-based language exam) - B2 European level (CEFR) - Date of examination: April 2016;  
Goethe Zertifikat Start Deutsch 2 - A2 European level (CEFR) - Date of examination:  
February 2015

Bozen-Bolzano (Italy), April 22, 2019