

**PERSONAL INFORMATION****Claudio Conversano**

Affiliation

Università di Cagliari

Dipartimento di Scienze Economiche e Aziendali (DiSEA)

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Date of birth 03/06/1970 | Country: Italy

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director, 1st level Technologist, First Researcher, 2nd level Technologist or Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher or Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher	<input type="checkbox"/> Researcher, Technologist of IV, V, VI and VII level or Technical collaborator

**WORK EXPERIENCE**

Jan 2022 - .....

**Full Professor of Statistics,**

Dipartimento di Scienze Economiche e Aziendali, University of Cagliari, Viale Frà Ignazio 17, Cagliari, Italy

- Teaching and Scientific research

Jan 2014 – Jan 2021

**Associate Professor of Statistics,**

Dipartimento di Scienze Economiche e Aziendali, University of Cagliari, Viale Frà Ignazio 17, Cagliari, Italy

- Teaching and Scientific research

Nov 2005 – Dec 2013

**Researcher in Statistics,**

Dipartimento di Economia, University of Cagliari, Viale Frà Ignazio 17, Cagliari, Italy

- Teaching and Scientific research

Oct 2002 – Oct 2005

**Researcher in Statistics,**

Dipartimento di Economia e Territorio, University of Cassino and Lazio Meridionale, Loc. Folcara, Cassino (FR), Italy

- Teaching and Scientific research

Jan 2001 – Sept 2002

**Post-doc in Statistics,**

Dipartimento di Matematica e Statistica, University of Naples Federico II, Via Cintia (Monte S. Angelo), Napoli, Italy

- Scientific research on a project titled "Multivariate and computational statistics" (Supervisor: R. Siciliano)

**EDUCATION AND TRAINING**

Feb 1997 – Feb 2000

**Ph.D in Computational Statistics**

Dipartimento di Matematica e Statistica, University of Naples Federico II, Napoli, Italy

Visiting periods:

- May-Sept 1998: Dept of Probability and Statistics, Charles University of Prague, Czech Republic
- Jan-Mar 1999: Dept of Probability and Statistics, Charles University of Prague, Czech Republic
- Sept-Oct 1999: Department of Data Theory and Data Analysis, University of Leiden, the Netherlands

- Principal subjects covered or skills acquired: multidimensional data analysis; semiparametric and nonparametric regression; data mining; statistical data editing; big data; data mining; computational finance

### Degree in Economics

School of Economics, University of Naples Federico II, Napoli, Italy (Final grade: 110/110)

Oct 1989 – Jan 1996

## WORK ACTIVITIES

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### 1. Scientific Service Activity

Member of the Scientific Program Committee of:

- Cladag 2023, 14th Scientific Meeting of the Classification and Data Analysis Group of the Italian Statistical Society, University of Salerno, September 2023
- 51th Scientific Meeting of the Italian Statistical Society, University of Campania L. Vanvitelli from 21 to 25 June 2021
- 7th Scientific Meeting of the Statistics for the Evaluation and Quality in Services (SVQS) of the Italian Statistical Society (SIS), University of Campania L. Vanvitelli from 27 to 28 January 2022
- Cladag 2019, 12th Scientific Meeting of the Classification and Data Analysis Group of the Italian Statistical Society, University of Cassino from 12 to 14 September 2019
- EMGM18 of the 10th Conference of the IASC-ARS/NZSA 2017, organized by the Department of Statistics, The University of Auckland from 10 to 14 December 2017, website: <http://www.nzsa2017.com>
- COMPSTAT 2010 - 19th International Conference on Computational Statistics, Paris, August 22-27, 2010
- EURISBIS'09 - European Regional Meeting of the International Society for Business and Industrial Statistics (Cagliari, 30 May - 3 June 2009).
- 8-th ERCIM Workshop on Matrix Computation and Statistics (Salerno, 2-3 September 2006)

2009-2013 Scientific Secretary of the Executive Committee of  $\gamma$ -BIS (Young Business and Industrial Statisticians Group in the International Society for Business and Industrial Statistics ISBIS).

### 2. Editorial Service

2021- pres Guest Editor: Statistical Methods and Applications, special issue on "Advanced statistical modeling and causal inference with complex data for better decision making"

2016-pres: Associate Editor for Computational Statistics (COST, Springer), <https://link.springer.com/journal/180>.

2018: Editor: Classification, (Big) Data Analysis and Statistical Learning, Series Studies in Classification, Data Analysis, and Knowledge Organization, Springer, ISBN 978-3-319-55707-6, DOI:10.1007/978-3-319-55708-3, XVI, 242pp., with Mola F. and Vichi M., link: <https://www.springer.com/gp/book/9783319557076>

2016-2018: Guest Editor for a Special Issue of Statistical Analysis and Data Mining (ASA Data Science Journal) including the selected best papers presented at Cladag 2017.

2016-pres: Selected Editorial Board Member: International Journal of Statistics in Medical Research, ISSN (online): 1929-6029, Published by: Lifescience Global, link: <https://www.lifescienceglobal.com/journals/international-journal-of-statistics-in-medical-research/editorial-board-2>

2016: Editor: "Cladag 2015 Book of Abstracts", F. Mola & C. Conversano (Eds.), CUEC Editrice by Sardegna Novamedia Soc. Coop., ISBN 978-88-8467-949-9

2010 - Editor: "EURISBIS'09", Proceedings of the European Regional Meeting of the INTERNATIONAL SOCIETY FOR BUSINESS AND INDUSTRIAL STATISTICS (ISBIS); F. Mola, C. Conversano, V. Esposito Vinzi, N. Fisher (Eds.), Tilapia Publishing, Napoli, ISBN 978-88-89744-13-0

### 3. Awards

Dec 2020 – Attribution of the ISI ELECTED MEMBER badge, elected member of the International Statistical Institute (ISI)

Sept 2002: Interface Foundation of North America, "Best of International Association for Statistical Computing (IASC)" award

Aug 2002. International Association of Statistical Computing (IASC), (Best paper and presentation award for the paper titled "Missing Data Incremental Imputation through Tree-based Methods", presented at COMPSTAT 2002, Berlin

Sept 2001: Statistical Modeling Society (<http://www.statmod.org>), research fellowship within the CORDIS-programme High Level Scientific Conferences for the paper "Generalized Additive Multi-Mixture Models" at Euroworkshop on Statistical Modelling - Nonparametric Models, Bernried (Germany), 1-4 Nov 2001

Jul 2001: ECAS (European Course in Advanced Statistics), research fellowship to attend the course "Bayesian Statistics and Financial Econometrics", Lugano (Switzerland), 7-13 Oct 2001

Mar 2001 Technical University of Liberec, Czech Republic: research fellowship to attend the "1st Czech-American Workshop on Quantile Regression", Liberec, 2 - 5 Jul 2001

Jun 1998, Charles University of Prague: research fellowship to attend Prague Stochastic '98, joint session of "VI Prague Symposium on Asymptotic Statistics" and "XIII Conference on Information Theory, Statistical Decision and Random Processes", Prague, Aug 23-28, 1998

#### 4. Spin-offs / Patents

Nov 2014-pres, Scientific advisor for Smartlab s.r.l., spin-off company of the university of Cagliari specialized in Business Intelligence and data analysis for decision support.

## PUBLICATONS

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### Metrics

Total number of publications in peer-review journals: 34  
Total number of citations (scopus and google scholar): (144, 416)  
Hindex (scopus and google scholar): (5, 11)

### Publications

1. Ortu M, Uras N, Conversano C, Bartolucci S, Destefanis G. (2022) On technical trading and social media indicators for cryptocurrency price classification through deep learning. *Expert Systems With Applications*, 198, 116804, <https://doi.org/10.1016/j.eswa.2022.116804>
2. Ortu M, Vacca S, Destefanis G, Conversano C. (2022) Cryptocurrency ecosystems and social media environments: An empirical analysis through Hawkes' models and natural language processing. *Machine Learning With Applications*, 7, 100229, <https://doi.org/10.1016/j.mlwa.2021.100229>
3. Ekin T, Frigau L, Conversano C. (2021) Health care fraud classifiers in practice. *Applied Stochastic Models In Business And Industry*, 36(7), p. 1182-1199, <https://doi.org/10.1002/asmb.2633>
4. Carta, A, Conversano, C (2021). Cost utility analysis of Remdesivir and Dexamethasone treatment for hospitalised COVID-19 patients – a hypothetical study. *BMC Health Services Research*, vol. 21, 986, p. 1-12, <https://doi.org/10.1186/s12913-021-06998-w>
5. Zammarchi G., Conversano C. (2021) Application of the eye tracking technology in medicine: a bibliometric analysis. *Vision*, vol. 5, n. 56, pp.1-14, <https://doi.org/10.3390/vision5040056>
6. Frigau L., Conversano C., Mola F. (2021). Consistent validation of gray-level thresholding image segmentation algorithms based on machine learning classifiers. *Statistical Papers*, vol. 62, p. 1363-1386, <https://doi.org/10.1007/s00362-019-01138-3>
7. Frigau, L., Contu, G., Mola, F., Conversano, C. (2021). Network-based semisupervised clustering. *Applied Stochastic Models In Business And Industry*, vol. 37, p. 182-202, ISSN: 1526-4025, <https://doi.org/10.1002/asmb.2618>
8. Pinna, M., Manchia, M., Pisanu, C., Pinna, F., Paribello, P., Carta, A., Meloni, A., Conversano, C., Del Zompo, M., Mola, F., Squassina, A., Carpiniello, B. (2021). Protocol for a pharmacogenetic study of antidepressants: characterization of drug-metabolizing profiles of cytochromes CYP2D6 and CYP2C19 in a Sardinian population of patients with major depressive disorder. *Psychiatric Genetics*, <https://doi.org/10.1097/YPG.0000000000000293>
9. Tavazoe F, Conversano C, Mola F (2020). Recurrent random forest for the assessment of popularity in social media, *Knowledge And Information Systems*, 62, 1847-1879, <https://doi.org/10.1007/s10115-019-01410-w>

10. Barabino B, Conversano C, Cabras NA, Olivo A (2020). An integrated approach to select key quality indicators in transit services, *Social Indicators Research*, 149, 1045-1080, <https://doi.org/10.1007/s11205-020-02284-0>
11. Carta, A., Conversano, C. (2020). Practical implementation of the Kelly criterion: optimal growth rate, number of trades, and rebalancing frequency for equity portfolios. *Frontiers In Applied Mathematics And Statistics*, vol. 6, p. 1-15, ISSN: 2297-4687, doi: <https://doi.org/10.3389/fams.2020.577050>
12. Ortu M, Conversano C, Marchesi M, Tonelli R, Counsell S, Destefanis G (2020). Describing software developers affectiveness through Markov chain models. *Electronic Journal Of Applied Statistical Analysis*, <https://doi.org/10.1285/i20705948v13n1p96>
13. Tavazoee, F., Buscaldi, D., Mola, F., Conversano, C. (2020). Empowering detection of malicious social bots and content spammers on Twitter by sentiment analysis. *Electronic Journal Of Applied Statistical Analysis*, vol. 13, p. 375-389, <https://doi.org/10.1285/i20705948v13n2p375>
14. Contu, G., Conversano, C., Frigau, L., Mola, F. (2020). Identifying factors affecting the status of superhost: evidence from Sardinia and Sicily. *Quality & Quantity*, vol. 54, p. 1633-1653, <https://doi.org/10.1007/s11135-019-00925-2>
15. Carta A, Conversano C (2020). On the Use of Markov Models in Pharmacoeconomics: Pros and Cons and Implications for Policy Makers. *Frontiers In Public Health*, vol. 8, p. 1-14, ISSN: 2296-2565, doi: <https://doi.org/10.3389/fpubh.2020.569500>
16. Contu G, Frigau L, Mola F, Romano M, Conversano C (2020). University student achievements and international mobility. The case of University of Cagliari. *Electronic Journal Of Applied Statistical Analysis*, vol. 13, p. 474-497, ISSN: 2037-3627, <https://doi.org/10.1285/i20705948v13n2p474>
17. Bellu M, Conversano C (2020). Protected Adaptive Asset Allocation, *Finance Research Letters*, vol. 32, p. 1-16, <https://doi.org/10.1016/j.frl.2019.01.007>.
18. Conversano C, Cannas M, Mola F, Sironi E (2019). Random effects clustering in multilevel modeling: choosing a proper partition. *Advances In Data Analysis And Classification*, vol. 13, p. 279-301, <https://doi.org/10.1007/s11634-018-0347-9>
19. Conversano C, Contu G, Mola F (2019). Online promotion of UNESCO heritage sites in Southern Europe: website information content and managerial implications. *Electronic Journal of Applied Statistical Analysis*, vol. 12, p. 108-139, <https://doi.org/10.1285/i20705948v12n1p108>
20. Contu G, Conversano C, Frigau L, Mola F (2019). Information content, interactivity and online popularity of the websites of world heritage sites: evidence from France, Italy and Spain. *Tourism, Culture & Communication*, vol. 19, p. 111-133, <https://doi.org/10.3727/194341419X15542065061478>
21. Contu G, Conversano C, Frigau L, Mola F (2019). The impact of Airbnb on hidden and sustainable tourism: the case of Italy. *International Journal of Tourism Policy*, vol. 9, p. 99-130, ISSN: 1750-4090, <https://doi.org/10.1504/IJTP.2019.102627>
22. Conversano C., Dusseldorp E. (2017), Modeling threshold interaction effects through the Logistic Classification Trunk. *Journal of Classification*, 34(3), pp 399–426, <https://doi.org/10.1007/s00357-017-9241-y>
23. Cannas M., Conversano C., Mola F., Sironi E. (2017). Variation in caesarean delivery rates across hospitals: a Bayesian semi-parametric approach. *Journal of Applied Statistics*, 44(12), 2095-2107, <https://doi.org/10.1080/02664763.2016.1247785>
24. Mola F., Antoch J., Frigau L., Conversano C. (2016). Classification of Images: Background Subtraction in Image Segmentation. *ACTA GYMNICA, Acta Univ. Palacki. Olomuc., Fac. rer. nat., Mathematica* 55, (1) 73-86, <https://kma.upol.cz/data/xinha/ULOZISTE/ActaMath/2016/055-1-10.pdf>

## PROJECTS

2019-2021 Member of the Research Unit of Dipartimento di Scienze Economiche e Aziendali, Università di Cagliari for the Research Project "OMD – Observatoire Des Marchandises Dangereuses", supported by Interreg III, European Regional Development Fund (ERDF)

2019-2021 Member of the Research Unit of Dipartimento di Scienze Economiche e Aziendali, Università di Cagliari for the Research Project "ALACRES2 – Advanced Laboratory for crises and Emergencies in the Tyrrhenian Sea through simulations", supported by Interreg III, European Regional Development Fund (ERDF)

2019-2021 Member of the Research Unit of Dipartimento di Scienze Economiche e Aziendali, Università di Cagliari for the Research Project "ISIDE – Innovation for Safety in Sea Transports", supported by Interreg III, European Regional Development Fund (ERDF)

2017-2021 Member of the Research Unit of Dipartimento di Scienze Economiche e Aziendali, Università di Cagliari for the Research Project "TDM – Metropolitan Digital Urban Fabric", supported by Sardegna Ricerche, POR FESR

2014-2020, Action 1.2.2

2018-2020 Coordinator of the Research Unit of Dipartimento di Scienze Economiche e Aziendali, Università di Cagliari for the Research Project "Pharmacogenetic study of antidepressant drugs: characterization of the metabolic profiles of cytochromes CYP2D6 and CYP2C19 in a Sardinian population of patients with major depressive disorder and economic impact of the test", supported by Regione Autonoma della Sardegna, Programmazione Unitaria L.R. 19/96.

2016-2018 Member of the Research Unit of Dipartimento di Scienze Economiche e Aziendali, Università di Cagliari for the Research Project "ICT Platform for Tourism", supported by Regione Autonoma della Sardegna, Programmazione Unitaria 2007/2013 - P.O. FESR 2007/2013, Interventi a sostegno della competitività e dell'innovazione.

2009-2010: Scientific coordinator for the project "Statistical Data Editing Algorithms for data pre-processing", funded by University of Cagliari within the "Young Researchers Start-Up Programme".

2004-2005 Scientific coordinator for the project "Recursive partitioning methods for the assessment of data quality: computational and methodological issues", funded by University of Cassino within the "Young Researchers Start-Up Programme".

2001-2003 Authorised contact person for the Department of Mathematics and Statistics of the University of Naples Federico II for the four-year European Project "Quality in the Statistical Information Life-Cycle: A distributed System for Data Validation - INSPECTOR", that received financial support within the Fifth Framework Programme.

2001-2002 Member of the MIUR Research Project (now PRIN) funded by M.U.R.S.T. titled "Synthesis and Visualization of Symbolic Data for Data Mining" for the Department of Mathematics and Statistics of the University of Naples Federico II.

2001-2002 Member of the MIUR Research Project (now PRIN) funded by M.U.R.S.T. titled "Parametric and Semiparametric Methods for the Segmentation of Multivariate and Longitudinal Data" for the Department of Mathematics and Statistics of the University of Naples Federico II.

1999-2000 Member of the MIUR Research Project (now PRIN) funded by M.U.R.S.T. titled "Multivariate Analysis for Total Quality: methods, computational issues and applications" for the Department of Mathematics and Statistics of the University of Naples Federico II.

## OTHER RELEVANT INFORMATION

Oct 2015 – Feb 2022: Member of Evaluation Committee (Nucleo di Valutazione) of the university of Cagliari

Jul 2013 – pres. Member of the PhD Program Committee of the PhD in Economics and Business, university of Cagliari

Oct 2012 – Jun 2013. Member of the PhD Program Committee of the PhD in Statistics, applied statistics and quantitative finance, university of Palermo

Oct 2003 – Oct 2005. Member of the PhD Program Committee of the PhD in Economics, business and quantitative analysis, university of Cassino and Lazio Meridionale

## PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (Fluent)

Digital skills Any kind of statistics or statistics-oriented software (e.g. R); Programming in R; Web analytics; Webpage creation;

Date

Claudio Conversano

