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Short Curriculum Vitae

Fabrizio Maturo has a **Degree** in "**Economics and Business**" with 110/110 Cum Laude at the University "G. d'Annunzio" of Pescara-Chieti, Italy. He has become **PhD** in "**Economics & Statistics**" in 2014, at the University "G. d'Annunzio" of Pescara-Chieti, discussing his thesis "Fuzzy Regression Models, recent advancements and alternative operations". He has been **Research Fellow** at the Department of Business Administration for developing statistical models for the study of "Corporate Governance, entrepreneurial orientation and financial performance in small and medium-sized enterprises". He is **Managing Editor** of the scientific international journals *Ratio Mathematica* and *Science & Philosophy*, and component of the editorial board of *Housing Policies and Urban Economics*; he also performs activity as Reviewer in these three journals. He is expert of statistical data analysis, mathematics and R statistical software. He has been member of the scientific and organizational committee of international **conferences** in Italy and Romania, and **editor** of the international referred book "Mathematical-Statistical models and qualitative theories for economic and social sciences" published by Springer in the series "Studies in Systems, Decision and Control". His main recent research **interests** are ecological statistical modeling, statistical models for management and business administration, fuzzy set theory, functional data analysis and statistical programming. He has been **visiting researcher** in Iasi (Romania) and Almeria (Spain). His **teaching** experience concerns Statistics and Computer Science. He is maintainer and co-author of the **R Package** "BioFTF" for the assessment of biodiversity using the functional data analysis approach. He is author of several **scientific contributions** in important international journals and books:

PUBLICATIONS

1. Šárka Hošková-Mayerová, Fabrizio Maturo and Janusz Kacprzyk (2017). Preface of the book: [Mathematical-Statistical models and qualitative theories for economic and social sciences](#). Series: Studies in Systems, Decision and Control. Springer Nature. Vol. 104. In Press.
2. Maturo F., Ventre V. (2017). Consensus in Multiperson Decision Making using Fuzzy Coalitions. Soft computing applications for group decision-making and consensus modeling. Editors: Collan, M., Kacprzyk, J. [Studies in Fuzziness and Soft Computing](#). Springer Berlin Heidelberg. Doi: 10.1007/978-3-319-60207-3_26.
3. Maturo A. and Maturo F. (2017). Alternative Fuzzy Operations: a Critical Approach and Applications in Social and Economic Sciences. [The Yearbook of the "Gh. Zane" Institute of Economic Researches](#). In Press.

4. Maturo F., Migliori S., Paolone F. (2017). Do Institutional or Foreign Shareholders Influence National Board Diversity? Assessing Board Diversity through Functional Data Analysis. [Studies in Systems, Decision and Control, Springer International Publishing](#). Vol. 104. In Press.
5. Di Spalatro D., Maturo F., Sicuro L. (2017). Inequalities in the Provinces of Abruzzo: a Comparative Study through the Indices of Deprivation and Principal Component Analysis. [Studies in Systems, Decision and Control, Springer International Publishing](#). Vol. 104. In Press.
6. Cruz Rambaud S., Maturo F., Sánchez Pérez A.M. (2017). Expected Present and Final Value of an Annuity when some Non-Central Moments of the Capitalization Factor are Unknown: Theory and an Application using R. [Studies in Systems, Decision and Control, Springer International Publishing](#). Vol. 104. In Press.
7. De Sanctis A., Porreca A., Maturo F. (2017). Complex Systems in Economic and Social Science: an Application of The Goodwin Model to Italy Using the Statistical Software R. Systemic actions in complex scenarios. Cambridge Ed. In Press.
8. Di Battista T., Fortuna F., Maturo F. (2017). [BioFTF](#): An R Package for Biodiversity Assessment with the Functional Data Analysis Approach. [Ecological Indicators](#), 73, 726--732. doi: 10.1016/j.ecolind.2016.10.032. <http://dx.doi.org/10.1016/j.ecolind.2016.10.032>
9. Maturo F., Hosková-Mayerová Š. (2017). Fuzzy Regression Models and Alternative Operations for Economic and social sciences. Recent Trends in Social Systems: Quantitative Theories and Quantitative Models. [Studies in Systems, Decision and Control](#), 66, 236--247. [Springer International Publishing](#). doi: 10.1007/978-3-319-40585-8_21. http://link.springer.com/chapter/10.1007/978-3-319-40585-8_21
10. Maturo, A., Maturo, F. (2017). Fuzzy Events, fuzzy Probability and applications in Economic and Social Sciences. Recent Trends in Social Systems: Quantitative Theories and Quantitative Models. [Studies in Systems, Decision and Control](#), 66, 236--247. Springer International Publishing. doi: 10.1007/978-3-319-40585-8_20. http://link.springer.com/chapter/10.1007/978-3-319-40585-8_20
11. Di Battista T., Fortuna F., Maturo F. (2016). Parametric Functional Analysis of Variance for Fish Biodiversity Assessment. [Journal of Environmental Informatics](#), 28(2), 101-109. doi:10.3808/jei.201600348. <http://www.iseis.org/JEI/abstract.asp?no=201600348>
12. Maturo F., Fortuna F. (2016). Bell-Shaped Fuzzy Numbers Associated with the Normal Curve. [Topics on Methodological and Applied Statistical Inference](#). Studies in Theoretical and Applied Statistics, 131--144. Springer. ISSN : 2194-7767. e-BOOK ISBN : 978-3-319-44093-4. Hardcover ISBN: 978-3-319-44092-7. doi : 10.1007/978-3-319-44093-4_13. http://link.springer.com/chapter/10.1007/978-3-319-44093-4_13
13. Di Battista T., Fortuna F., Maturo F. (2016). Environmental Monitoring Through Functional Biodiversity Tools. [Ecological Indicators](#), 60, 237--247. doi: 10.1016/j.ecolind.2015.05.056. <http://www.sciencedirect.com/science/article/pii/S1470160X15003167>

14. Maturo F. (2016). [La Regressione Fuzzy. Fuzzyness. Teorie e applicazioni](#). Tempus pecunia est: Collana di Matematica per le scienze economiche, finanziarie ed aziendali. Aracne Editrice, 8, 99--110. ISBN: 978-88-548-9184-5. doi: 10.13140/RG.2.1.4319.4484.
https://www.researchgate.net/publication/301687760_La_regressione_fuzzy

15. Maturo F. (2016). Dealing with randomness and vagueness in business and management sciences: the fuzzy-probabilistic approach as a tool for the study of statistical relationships between imprecise variables. *Ratio Mathematica*, 30(1),45--58.doi: 10.23755/rm.v30i1.8.
<http://dx.doi.org/10.23755/rm.v30i1.8>

16. Maturo F., Migliori S., Consorti A. (2015). Corporate Board Diversity. In: A.P. Haller and M. Galea. Proceedings of the International Conference Humanities and Social Sciences Today. Economics. Pro Universitaria Publishing House. Bucharest. pp. 113-125. ISBN: 978-606-26-0413-4. Conference 7-10, May 2015, Romanian Academy, Iasi Branch "Gheorghe Zane" Institute for Academic and Social Research as part of the SOP HRD/159/1.5/S/133675 European Project.
https://books.google.it/books/about/Proceedings_of_the_International_Confere.html?id=Y37ijgEACAAJ&redir_esc=y

17. Di Battista T., Fortuna F., Maturo F. (2015). Diversity in Regional Economics. A Case Study of Abruzzo. *Global & Local Economic Review*, 19(1), 37--54. ISSN: Online: 1974-5125. ISSN: Print: 1722-4241. <http://www.gler.it/archivio/pdf%20Home/Cap%2002%20n%C2%B0%201-2015%20pagg%2037-54%20HR.pdf>

18. Di Spalatro D., Sicuro L., Maturo F. (2015). Analysis of the Inequalities of Abruzzo's Provinces through the Indices of Deprivation. Book of Abstract. 3rd International Conference "Recent Trends in Social Sciences: Qualitative Theories and Quantitative Models". 15-17 October, Brno, Czech Republic. Univerzita Obrany. 222/2015. dopl./2015/2f. ISBN: 978-80-7231-437-9.
<https://ricerca.unich.it/retrieve/handle/11564/655055/53816/brno.pdf>

19. Maturo F., Migliori S., Paolone F. (2015). Diversity in the Social and Economic Science: Review and Application. Book of Abstract. 3rd International Conference "Recent Trends in Social Sciences: Qualitative Theories and Quantitative Models". 15-17 October, Brno, Czech Republic. Univerzita Obrany. 222/2015. dopl./2015/2f. ISBN: 978-80-7231-437-9.
<https://ricerca.unich.it/retrieve/handle/11564/655055/53816/brno.pdf>

20. Maturo F., Migliori S. (2015). Fuzzy Regression Models with Fuzzy Random Variables: Application in the Social and Economic Fields. Book of Abstract. 3rd International Conference "Recent Trends in Social Sciences: Qualitative Theories and Quantitative Models". 15-17 October, Brno, Czech Republic. Univerzita Obrany. 222/2015. dopl./2015/2f. ISBN: 978-80-7231-437-9.
<https://ricerca.unich.it/retrieve/handle/11564/644436/72456/brno.pdf>

21. Di Battista T., Fortuna F., Maturo F. (2015). Inference on Functional Biodiversity Tools. 10th "Scientific Meeting of the Classification and Data Analysis Group". 8-10 October, 2015, Santa Margherita di Pula (Cagliari), Italy. Paper in Book of Abstracts. Editors: Francesco Mola, Claudio Conversano. CUEC Editrice, Cagliari. ISBN: 978-88-8467-749-9.

<http://convegni.unica.it/cladag2015/files/2015/10/Fortuna.pdf>

22. Di Battista T., Fortuna F., Maturo F. (2015). Recent Advances in Functional Data Stream Classification. 60th World Statistics Congress, specialized session "High frequency processing and streaming data analysis". 26-30 July, 2015. Rio de Janeiro, Brazil. Proceedings of the "60th World Statistics Congress of the International Statistical Institute, ISI2015". Published by the International Statistical Institute, The Hague, The Netherlands, December 2015. ISBN - 978-90-73592-35-3 © ISI 2015.
http://www.isi2015.org/components/com_users/views/registration/tmpl/media/uploadedFiles/paper/346/1922/STS063-P1-S.pdf
23. Cruz Rambaud S., Maturo F., Sánchez Pérez A.M. (2015). Approach of the value of an annuity when non-central moments of the capitalization factor are known: an R application with interest rates following normal and beta distributions. *Ratio Mathematica*, 28(1), 15--30. doi : 10.23755/rm.v28i1.25. <http://dx.doi.org/10.23755/rm.v28i1.25>
24. Maturo F. (2015). Quesiti e test di Probabilità e Statistica: un'analisi critica. *Science & Philosophy*, 3(1). APAV. doi : 10.23756/sp.v3i1.262. <http://dx.doi.org/10.23756/sp.v3i1.262>
25. Maturo A., Maturo F. (2014). Finite Geometric Spaces, Steiner Systems and Cooperative Games. *Analele Universitatii "Ovidius" Constanta. Seria Matematica*, 22(1), 189–205. ISSN: Online 1844-0835. doi: 10.2478/auom-2014-0015. <http://dx.doi.org/10.2478/auom-2014-0015>
26. Maturo F., Fortuna F. (2014). Bell Shaped Fuzzy Numbers Associated with the Normal Curve. In: Proceedings of the 47th SIS Scientific Meeting of the Italian Statistical Society. Cagliari, June 11-13, 2014, Cagliari: CUEC University Press Cooperativa Universitaria Ed, pp. 1--6. ISBN: 978-88-8467-874-4. doi: 10.13140/RG.2.1.2908.7128.
<http://meetings.sis-statistica.org/index.php/sm2013/sis2014>
27. Fortuna F., Maturo F. (2014). Functional Analysis of Variance for Parametric Functional Data. In: Proceedings of the 47th SIS Scientific Meeting of the Italian Statistical Society. Cagliari, June 11-13, 2014, Cagliari: CUEC University Press Cooperativa Universitaria Ed, pp. 1--6. ISBN: 978-88-8467-874-4. doi: 10.13140/RG.2.1.3826.2169.
<http://meetings.sis-statistica.org/index.php/sm2013/sis2014>
28. Di Battista T., Fortuna F., Maturo F. (2014). Parametric Functional Analysis of Variance for Fish Biodiversity. International Society for Environmental Information Sciences. The International Conference on Marine and Freshwater Environments. 6-8 August, 2014. St. John's, Canada. <http://www.scopus.com>
<http://journals.library.mun.ca/ojs/index.php/IMFE>.
29. Di Battista T., Fortuna F., Maturo F. (2014). Environmental Monitoring Through Biodiversity Functional Measures. Book of Abstract. The International Conference of European Statistics Stakeholders Methodologists, Producers And Users of European Statistics. 24-25 November, 2014. Rome, Italy. pp.100. doi: 10.13140/RG.2.1.1329.7528.
<http://www.istat.it/en/files/2014/11/ABSTRACTS-CONFERENZA1.pdf>

30. Maturo A., Maturo F. (2013). Research in Social Sciences: Fuzzy Regression and Causal Complexity. Multicriteria and multiagent decision making with application to economic and social science. [Studies in Fuzziness and Soft Computing](#). Springer Berlin Heidelberg, 305, 237-249. doi: 10.1007/978-3-642-35635-3_18.
http://link.springer.com/chapter/10.1007%2F978-3-642-35635-3_18
31. Ceccatelli C., Di Battista T., Fortuna F., Maturo F. (2013). Best Practices to Improve The Learning of Statistics: The Case of the National Olympics of Statistic in Italy. [Procedia. Social and Behavioral Sciences](#), Elsevier Ltd, 93, 2194--2199. ISSN 1877-0428.
doi: 10.1016/j.sbspro.2013.10.186.
<http://www.sciencedirect.com/science/article/pii/S1877042813036318>
32. Ceccatelli C., Di Battista T., Fortuna F., Maturo F. (2013). L'Item Response Theory come Strumento di Valutazione delle Eccellenze nella Scuola. [Science & Philosophy](#), 1(1). Telematica Multiversum Editrice. http://iris.it/disciphil_numeri/disciphil_1_2013/disciphil_1_2013.pdf

SOFTWARE

33. Maturo F., Di Battista T., Fortuna F. (2016). **BioFTF. An R Package for Biodiversity Assessment Using Functional Data Analysis.**
<https://cran.r-project.org/web/packages/BioFTF/index.html>

TALKS AT INTERNATIONAL CONFERENCES

1. International Conference on Business Administration and Economics « People. Ideas. Experience ». 14-15 October, 2016. Resita. Romania. Presentation : Measuring diversity in organizations: review and recent advances.
2. FSMOA 2016. Fuzzy Sets, Multivalued Operations, and Applications to Social Sciences. September 8 – 10, 2016, University of Chieti-Pescara, Italy. Presentation: "Fuzzy regression for the study of business phenomena"
3. FSMOA 2016. Fuzzy Sets, Multivalued Operations, and Applications to Social Sciences. September 8 – 10, 2016, University of Chieti-Pescara, Italy. Presentation: "Possible approaches to fuzzy probability".
4. RTSS 2015. 3rd International Conference on "Recent Trends in Social Sciences: Qualitative Theories and Quantitative Models", 15-17 October, Brno, Czech Republic. Presentation: "Analysis of the Inequalities of Abruzzo's Provinces Through the Indices of Deprivation".
5. RTSS 2015. 3rd International Conference on "Recent Trends in Social Sciences: Qualitative Theories and Quantitative Models", 15-17 October, Brno, Czech Republic. Presentation: "Diversity in the Social and Economic Science: Review and Application".
6. RTSS 2015. 3rd International Conference on "Recent Trends in Social Sciences: Qualitative Theories and Quantitative Models", 15-17 October, Brno, Czech Republic. Presentation: "Fuzzy Regression Models with Fuzzy Random Variables: Application in the Social and Economic Fields".

7. CLADAG 2015. 10th "Scientific Meeting of the Classification and Data Analysis Group". 8-10 October, 2015, Santa Margherita di Pula (Cagliari), Italy. "Inference on Functional Biodiversity Tools".
8. INTERNATIONAL WORKSHOP on "Decision Making in Social and Economic Science". 7 October, 2015. Dip DEMM, Benevento, Italy. Presentation: "Subjective Fuzzy Probability: applications to economic and social science".
9. ISI 2015. 60th World Statistics Congress, as part of the specialized session "High frequency processing and streaming data analysis. 26-30 July, 2015. Rio de Janeiro, Brazil. Presentation: "Recent advances in functional data stream classification".
10. FSMOA 2015. 2d International Conference on Fuzzy Sets, Multivalued Operations and Applications to Social Sciences 2015. 15-17 September, 2015. Chieti, Italy. Presentation: "Fuzzy conditional probability".
11. INTERNATIONAL CONFERENCE "Humanities and social sciences today. classical and contemporary issues" 2015. 7-11 May, 2015. Iasi, Romania. Organized by the Romanian Academy, Iasi Branch. "Gheorghe Zane" Institute for Economic and Social Research. Presentation: "Corporate board diversity".
12. INTERNATIONAL CONFERENCE "Humanities and social sciences today. classical and contemporary issues" 2015. 7-11 May, 2015. Iasi, Romania. Organized by the Romanian Academy, Iasi Branch. "Gheorghe Zane" Institute for Economic and Social Research. Presentation: "Fuzzy probability: alternative approaches and applications to Social Sciences".
13. SIS 2014. 47th SIS Scientific Meeting of the Italian Statistical Society. 11-13 June, 2014. Cagliari, Italy. Presentation: "Bell shaped fuzzy numbers associated with the normal curve". Proceedings: CUEC Cooperativa Universitaria Editrice Cagliariitana Cagliari.
14. SIS 2014. 47th SIS Scientific Meeting of the Italian Statistical Society. 11-13 June, 2014. Cagliari, Italy. Presentation: "Functional analysis of variance for parametric functional data". Proceedings: CUEC Cooperativa Universitaria Editrice Cagliariitana Cagliari.
15. IMFE 2014. The International Conference on Marine and Freshwater Environments. 6-8 August, 2014. St. John's, Canada. Presentation: "Parametric functional analysis of variance for fish biodiversity".
16. CESS 2014. The International Conference of European Statistics Stakeholders Methodologists, Producers And Users of European Statistics. 24-25 November, 2014. Rome, Italy. Presentation: "Environmental monitoring through biodiversity functional measures".
17. RoAIMS 2014. 2nd edition of «ROMAI Applied and Industrial Mathematics Symposium. 12-15 June, 2014. Iasi, Romania. Presentation: "Fuzzy Regression".
18. MATHESIS 2014. L'educazione matematica oggi: test, gare e interrelazioni con altre discipline. 28 February, 2014. Ottaviano, Italy. Presentation: "Quesiti e test di Probabilità e Statistica: una analisi critica".
19. INTERNATIONAL WORKSHOP on "Algebraic And Analytic Number Theory And Their Applications". 23-24 May, 2013. Costanza. Romania. Presentation: "Finite geometric spaces, Steiner systems and cooperative games".
20. MATHESIS 2013. La matematica nel 1° Ciclo: aspetti didattici, sociologici e interdisciplinari. 4-6 April, 2013. Chieti, Italy. Presentation: "I giochi olimpici per la promozione del ragionamento statistico e delle nuove tecnologie nella scuola".
21. RTSS 2012. 1st International Conference on Recent Trends in Social Sciences: Qualitative Theories and Quantitative Models. 23-25 September, 2012. Iași, Romania. Presentation: "Fuzzy Regression in Social Sciences".

22. ICEKU 2012. 1st international conference on econometrics methods and applications. August 25-27, 2012. Sanandaj, Iran. Presentation: "Social Science Research: Fuzzy Sets and Econometric Models".
23. MATHESIS 2012. Innovazioni didattiche e formazione degli insegnanti. Ruolo dell'università e della Mathesis. 24 May, 2012. Chieti, Italy. Presentation: "Giochi statistici ed innovazione didattica".
24. WCLTA 2012. 3rd. World Conference on Learning, Teaching & Administration. 25-28 October, 2012. Bruxelles, Belgium. Presentation: "Best Practices to Improve the Learning of Statistics: The Case of the National Olympics of Statistic in Italy".