

Curriculum Vitae - Saverio Storani

Place and Date of Birth: Macerata 14/09/1987

CURRENT POSITION

- Post-Doc (Research Grant): "Development and implementation of Machine Learning models for credit risk, fraud, and ESG score management." University of Rome Unitelma Sapienza" - Department of Legal and Economic Sciences.
- Adjunct Professor: "Mathematics for Economics and Finance." International University of Rome - Department of Economics.
- Member of Research Center GRANEM - Groupe de Recherche ANgevin en Economie et Management - (University of Angers, France).
- Member of Research Center CDCS - Center of Data Science and Complexity for Society - (University of Rome "La Sapienza", Italy).
- Member of Research Center LabSciMat - Laboratorio di Scienze Matematiche – (International University of Rome", Italy).
- Adjunct Professor: "Mathematics for Economics and Finance." International University of Rome - Department of Economics.
- Adjunct Professor: "General Mathematics and Quantitative Methods" University of Rome Unitelma Sapienza" - Department of Legal and Economic Sciences.
- Adjunct Professor: "Computational Models for Economics and Finance" University of Rome Unitelma Sapienza" - Department of Legal and Economic Sciences.
- Adjunct Professor: "Introduction to Financial Risk Measurement" University of Rome Unitelma Sapienza" - Department of Legal and Economic Sciences.
- Adjunct Professor: "Sustainable Finance" University of Rome Unitelma Sapienza" - Department of Legal and Economic Sciences.
- Adjunct Professor: "Artificial Economics: Simulation and Computational Methods" University of Rome Unitelma Sapienza" - Department of Legal and Economic Sciences.

PREVIOUS POSITIONS

- A.A. 2021/2022 Expert in the Subject of Statistics and Business Economics. University of Rome Unitelma Sapienza – Department of Legal and Economic Sciences.

- A.A. 2022/2023 Tutor for the HR Master: "Industrial Relations and Human Resource Management in the Banking and Financial Sector" – University of Rome Unitelma Sapienza.
- A.A. 2022/2023 Adjunct Professor: "Mathematics of Informative and Technological Networks." International University of Rome – Department of Economics.
- A.A. 2022/2023 Research Grant: "Quantitative methods for socio-economic systems." University of Rome "La Sapienza" – Department of Computer Science.
- A.A. 2022/2023 Course Instructor of Financial Mathematics: "Ph.D. Programme in Social and Economic Sciences" – University of Rome "La Sapienza" – Department of Social and Economic Sciences.
- A.A. 2023/2024 Course Instructor of Financial Mathematics: "Ph.D. Programme in Social and Economic Sciences" – University of Rome "La Sapienza" – Department of Social and Economic Sciences.
- A.A. 2023/2024 Research Grant: "Quantitative methods for socio-economic systems." University of Rome "La Sapienza" – Department of Computer Science.

TEACHING EXPERIENCE

- A.A. 2021/2022 – Expert in the Subject of Statistics and Business Economics. University of Rome Unitelma Sapienza – Department of Legal and Economic Sciences.
- A.A. 2022/2023 – Adjunct Professor: "Mathematics of Informative and Technological Networks." International University of Rome – Department of Economics.
- A.A. 2022/2023 – Adjunct Professor: "Mathematics for Economics and Finance." International University of Rome – Department of Economics.
- A.A. 2022/2023 – Course Instructor: "Financial Mathematics – Ph.D. Programme in Social and Economic Sciences" – University of Rome "La Sapienza," Department of Social and Economic Sciences.
- A.A. 2023/2024 – Adjunct Professor: "Mathematics for Economics and Finance." International University of Rome – Department of Economics.
- A.A. 2023/2024 – Course Instructor: "Financial Mathematics – Ph.D. Programme in Social and Economic Sciences" – University of Rome "La Sapienza," Department of Social and Economic Sciences.
- A.A. 2024/2025 – Adjunct Professor: "Mathematics for Economics and Finance." International University of Rome – Department of Economics.
- A.A. 2024/2025 – Adjunct Professor: "General Mathematics and Quantitative Methods" University of Rome Unitelma Sapienza" – Department of Legal and Economic Sciences.
- A.A. 2024/2025 – Adjunct Professor: "Computational Models for Economics and Finance" University of Rome Unitelma Sapienza" – Department of Legal and Economic Sciences.

- A.A. 2024/2025 – Adjunct Professor: "Introduction to Financial Risk Measurement" University of Rome Unitelma Sapienza" – Department of Legal and Economic Sciences.
- A.A. 2024/2025 – Adjunct Professor: "Sustainable Finance" University of Rome Unitelma Sapienza" – Department of Legal and Economic Sciences.
- A.A. 2024/2025 – Adjunct Professor: "Artificial Economics: Simulation and Computational Methods" University of Rome Unitelma Sapienza" – Department of Legal and Economic Sciences.

EDUCATION AND QUALIFICATIONS

- 01/10/2018 – 09/06/2022 Doctor of Philosophy, Ph. D., "**Quantitative Methods for Economic Policy (MQPE)**". Curriculum: Network Analysis and Data Mining (*Corso in Lingua Inglese*). Department of Economics and Law, University of Macerata (Italy). *Research area*: Network Theory, Econometrics, Statistical Analysis. Ph.D. Thesis: "*Minibond Issuers: a quantitative exploration of the Italian Market*".
- 01/10/2018 – 09/06/2022 Doctor of Philosophy, Ph. D., "**Sciences de Economique et Sciences de Gestion**". Curriculum: Sciences de Gestion. Dipartimento di Economia e Management, Università di Angers (France). *Research area*: Corporate Finance, Accounting, FinTech. Tesi Ph.D. Thesis: "*Minibond Issuers: a quantitative exploration of the Italian Market*".
- 01/10/15 – 23/06/2018 Laurea Magistrale: "**Mercati ed Intermediari Finanziari**". Department of Economics and Law, University of Macerata (Italy). Final Thesis in Finance: "*Investment Analysis: Short and Long-Term Strategies*". Average Grade: 28/30 | Final Grade: 110/110 Summa Cum Laude.
- 01/10/2011 – 14/04/2015 Laurea Triennale: "**Banche, Aziende e Mercati**". Department of Economics and Law, University of Macerata (Italy). Final Thesis in Monetary and Banking Economics: "The ECB's Quantitative Easing". Average Exam Grades: 25/30 | Final Grade: 98/110.

Ph.D. SUPERVISORS

- Prof. Roy Cerqueti:
 1. University of Rome "La Sapienza," Department of Social and Economic Sciences, P.le Aldo Moro 5, I-00185 Rome (RM), Italy.
 2. University of Angers, Department of Economics and Management, GRANEM, SFR CONFLUENCES, F-49000 Angers, France.
- Prof. Catherine Deffains-Crapsky:
 1. University of Angers, Department of Economics and Management, GRANEM, SFR CONFLUENCES, F-49000 Angers, France.

SPECIALISATION SCHOOLS

- 06/2019: Summer School, Econometrics. Spatial Statistics and Econometrics. Department of Economic and Business Studies, University of Naples Parthenope (Italy).
- 07/2019: Summer School, International Economics. Income, Inequality and Poverty across the Globe. Department of Economics and Law, University of Macerata (Italy).
- 09/2023: Summer School, AMASES Summer School. Economic Social and Financial Networks (ESFN). Department of Social and Economic Sciences, University of Rome "La Sapienza" (Italy).

VISITING ACTIVITIES

- 10/2021 – 12/2021 Ph.D. student, Co-tutorship. Department of Economics and Management, University of Angers (France). Research activities and Ph.D. thesis writing.
- 05/2021 – 08/2021 Visitor, International Research Mobility. London/Oxford, United Kingdom (UK). Bibliographic research, enhancement of English language skills.
- 09/2020 – 02/2021 Ph.D. student, Co-tutorship. Department of Economics and Management, University of Angers (France). Research activities and Ph.D. thesis writing.
- 09/2013 – 06/2014 ERASMUS Programme. Department of Economics and Commerce, University of Barcelona (Spain). Lectures, exams, and enhancement of Spanish language skills.

SCIENTIFIC PUBLICATIONS

1. Storani, S. (2022): Ph.D. Thesis. **Minibond Issuers: a quantitative exploration of the Italian Market.**
2. Cerqueti, R., Deffains-Crapsky, C., & Storani, S. (2022). **Similarity-based heterogeneity and cohesiveness of networked companies issuing minibonds.** *Chaos, Solitons & Fractals*, 164, 112654.
3. Cerqueti, R., Deffains-Crapsky, C., & Storani, S. (2023). **Green finance instruments: exploring minibonds issuance in Italy.** *Corporate Social Responsibility & Environmental Management*, 30(4), 1965-1986.
4. Cerqueti, R., Pampurini, F., Quaranta, A. G., & Storani, S. (2024). **Risk transmission and systemic fragility of banks' interacting customers.** *Finance Research Letter*, 62, 105061.

5. Cerqueti, R., Deffains-Crapsky, C., Quaranta, A. G., & Storani, S. (2024). **Identifying minibonds issued level's determinants to empower companies' funding managerial strategies.** *Management Decision*, 10.1108/MD-10-2023-1755.
6. Cerqueti, R., Iovanella, A., Mattera, R., & Storani, S. (2024). **Improving the explainability of autoencoder factors for commodities through forecast-based Shapely values.** *Scientific Reports*, 14(1), 1-13.
7. Cerqueti, R., Ferraro, G., Mattera, R., Storani, S. (2025). **Mapping Socio-Environmental Policy Integration in the European Union: A Multilayer Network Approach.** *Journal of Cleaner Production*, 491, 144792.
8. Cerqueti, R., Mattera, R., & Storani, S. (2025). **Systemic Resilience of Networked Commodities.** *Energy Economics*, In Press.

SUBMITTED PAPERS

1. Cinelli, M., Falkenberg, M., Quattrociochi, W., & Storani, S. (2024). **Relative engagement with sources of climate misinformation is growing across social media platforms.** *Scientific Reports*.
2. Cerqueti, R., Iovanella, A., Storani, S. (2024). **Identification of Pivotal Actors in the Interbanking Networks.** *International Review of Financial Analysis*.
3. Cerqueti, R., Deffains-Crapsky, C., & Storani, S. (2024). **European Innovative Start-ups and their Geographic Concentration.** *Small Business Economics*.
4. Stefanelli, K. & Storani, S. (2024). **Socially Responsible Investing: A Fair-Weather Commitment.** *Annals of Operations Research*.

WORKING PAPERS

1. Cerqueti, R., & Storani, S. (2025). Working paper: **Portfolio allocation: a novel approach through complex network analysis.**
2. Cerqueti, R., Iovanella, A., Mattera, R., Storani, S. (2025). Working paper: **Can the networked of BIS's financial flow explain different crisis? An empirical analysis of reporting countries.**
3. Cerqueti, R., Iovanella, A., Mattera, R., Storani, S. (2025). Working paper: **Forecasting Reconciliation in Systemic Risk.**
4. Cerqueti, R., Ferraro, G., Mattera, R., Storani, S. (2025). Working paper: **Fuzzy Clustering and Multilayer Networks for Analyzing Technological Innovation in EU Countries.**

5. Cerqueti, R., Ferraro, G., Mattera, R., Storani, S. (2025). Working paper: **Resilience of multilayer networks through community detection with a portfolio stability application.**
6. Boccaletti, S., Cerqueti, R., Maranzano, P., Mattera, R., Storani, S. (2025). Working paper: **Network Analysis of ESG Pillar Rebalancing and Systemic Sensitivity.**

SCIENTIFIC ASSOCIATIONS

- Member of the Association for Mathematics Applied to Social and Economic Sciences (A.M.A.S.E.S). University Bocconi, Department of Decision Sciences.

ACTIVITIES AS A REVIEWER

- Reviewer per **PLOS ONE**
- Reviewer per **JOURNAL OF MATHEMATICAL & COMPUTER APPLICATIONS**
- Reviewer per **SOFT COMPUTING**
- Reviewer per **ENERGY ECONOMICS**

COMPETITIVE PROJECTS

- *A.A. 2024/2025* — **Winner of the project call funded by Experian**: Development and implementation of Machine Learning models for credit risk, fraud, and ESG score management.

CONFERENCE, SEMINAR, AND WORKSHOP PRESENTATIONS

- S. Storani “*Minibonds in Italian Market, Different Methodologies to Understand how they Work*”. **Seminary Day, Comité de Suivi Individuel (CSI)**, Angers, France, 03/05/2021.
- S. Storani “*Determinants of the Levels of Minibonds issued in the Italian Market*”. **31° European Conference on Operational Research, Euro Conference 2021**, Athens, Greece, 13/06/2021.
- S. Storani: “*Similarity-based heterogeneity and cohesiveness of networked companies issuing minibonds*”. **Seminary Day**, Angers, France, 03/12/2021.
- S. Storani: “*Determinants of the Levels of Minibonds issued in the Italian Market*”. **Seminary Day**, Angers, France, 16/12/2021.

- S. Storani: “*Similarity-based heterogeneity and cohesiveness of networked companies issuing minibonds*”, **CNR-GRAPE CONFERENCE**, Rome, Italy, 11/02/2022.
- S. Storani: “*Similarity-based heterogeneity and cohesiveness of networked companies issuing minibonds*”, **Second International Workshop on Complexity**, Bari, Italy, 12/05/2023.
- S. Storani: “*Multiplatform Analysis of Engagement with Climate Change Debate*”, **Open Day, Center for Data Science and Complex for Society**, Rome, Italy, 20/09/2023.
- S. Storani: “*Can the networked of BIS’s financial flow explain different crisis? An empirical analysis of reporting countries*”, **III International Workshop on Complexity**, Naples, Italy, 31/05/2024.
- S. Storani: “*Networked Financial Flow of the Bank for International Settlements and Euclidean Voroni’s Tessellation Clusterization: A Comprehensive Analysis*”, **12th International Workshop on Computational Economics and Econometrics**, Rome, Italy, 27/06/2024.
- S. Storani: “*Identification of pivotal actors in the interbanking networks*”, **International Agean Conferences — Innovation Technologies & Engineering-X**, Izmir, Turkey, 07/10/2024.
- S. Storani: “*Systemic resilience of networked commodities*”, **Financial Derivates and Hedging in Energy Markets**, Foggia, Italy, 30/10/2024.
- S. Storani: “*Identification of systematically pivotal actors in the interbanking networks*”, **New Frontiers in Banking and Capital Markets**, Rome, Italy, 03/12/2024.
- S. Storani: “*Network Analysis of ESG Pillar Rebalancing and Systemic Sensitivity*”, **18th International Joint Conference on Computational and Financial Econometrics and Computational and Methodological Statistics**, London, United Kingdom, 16/12/2024.

AWARDS AND RECOGNITIONS

- 2021 “**CIMI: Program for Enhancing International Research Mobility**”. Department of Economics and Law, University of Macerata (Italy). Winner of International Research Mobility.
- 2018 “**Cotutela Programme**”. Department of Economics and Management, University of Angers (France). Co-tutorship Programme Winner. Opportunity to obtain a double degree.
- 2017 “**Merit-Based Scholarship**”. Department of Economics and Law, University of Macerata (Italy). Ranking based on weighted average grades.
- 2013 “**Erasmus Programme**”. Department of Economics and Law, University of Macerata (Italy). Department of Economics and Commerce, University of Barcelona (Spain). Erasmus Programme Winner.

LANGUAGES

Italian: Native

English: Advanced

Spanish: Advanced

French: Basic

COMPUTER SKILLS

MATLAB, Amadeus, LaTeX, STATA, SPSS, R studio, AIDA-BVD, Microsoft OFFICE.

I authorise the processing of my personal data pursuant to Legislative Decree No. 196/2003 of June 30, 2003, "Code regarding the protection of personal data."

03/02/2025

SIGNATURE

