

Niccolò Salvini, PhD

PERSONAL DATA

PLACE AND DATE OF BIRTH: Bagno a Ripoli, FI (IT), February 6, 1994
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ACADEMIC AND RESEARCH POSITIONS

2025 – 2026	Research Fellow (PRIN Grant) <i>HAC, Università della Tuscia (UNITUS)</i>
2024 – 2025	Research Fellow (PRIN Grant) <i>DIPS, Università della Tuscia (UNITUS)</i>
2024	Statistician <i>Azienda Ospedaliero-Universitaria Careggi (UNIFI)</i>
2022 – 2023	Research Fellow <i>CORE, Università di Perugia (UNIPG)</i>
2021 – 2025	PhD Candidate in Big Data for Healthcare <i>Università Cattolica del Sacro Cuore, Rome (UNICATT)</i>

EDUCATION

2021 – 2025	Ph.D. in STATISTICS Università Cattolica del Sacro Cuore, Rome Supervisor: Giuseppe Arbia
2018 – 2020	M.Sc. in STATISTICAL AND ACTUARIAL SCIENCES Università Cattolica del Sacro Cuore, Milan 106/110. Supervisor: Marco della Vedova.
2014 – 2017	B.Sc. in BUSINESS ECONOMICS University of Florence Supervisor: Giampiero Maria Gallo.

EDITORIAL ACTIVITY

Reviewer for *Computational Statistics*, *Journal of Spatial Econometrics*, *Quality and quantity*, *Socio-economic planning sciences*, *Applied Economics*, *Research in Economics*.

AWARDS

2026	Post-Doctoral Scholarship “Roberto Camagni” (3rd Edition) Research scholarship in regional science, up to 15,000 euro. AISRe – Italian Regional Science Association.
2023	Third Place, Stats Under the Stars 2023 (SUS23) 500 euro award. Università Politecnica delle Marche, Ancona.
2019	18th place, Stats Under the Stars 2019 (SUS19) Bocconi University, Milan.

PUBLICATIONS

Journal Articles

- ARBIA, G., NARDELLI, V., SALVINI, N. (2025). Sampled Grid Pairwise Likelihood (SG-PL): An Efficient Approach for Spatial Regression on Large Data Networks. *Networks and Spatial Economics*. doi:10.1007/s11067-025-09704-z.
- NARDELLI, V., SALVINI, N. (2025) Evaluating the Robustness of Spatial Econometric Estimators. *Networks and Spatial Economics* doi.org/10.1007/s11067-025-09716-9.

- SASSO, D., BACCO, L., PALUMBO, L., MARCUCCI, J., SALVINI, N., LAURETI, T., VOLLERO, L. (2025). Price variations in food products: A time series dataset for analysis across regions in Italian supermarkets. *Data in Brief*, 112089. doi:10.1016/j.dib.2025.112089.
- BENEDETTI, I., CRESCENZI, F., LAURETI, T., SALVINI, N. (2025). Business digitalization in Italy: A comprehensive analysis using supplementary fuzzy set approach. *Big Data Research*.
- DEL SARTO, S., GNALDI, M., SALVINI, N. (2024). Sustainability and high-level corruption in healthcare procurement: Profiles of Italian contracting authorities. *Socio-Economic Planning Sciences*, 101988. doi:10.1016/j.seps.2024.101988.

Book Chapters

- BENEDETTI, I., LAURETI, T., SALVINI, N., PALUMBO, L. (2025). Food Prices and Household Vulnerability in Italy: Insights from Web-Scraped Data. (Book chapter).

Papers under review / Preprints

- SALVINI, N., GNALDI, M., DEL SARTO, S. (2026). Real-Time Corruption Risk Detection in Public Procurement: An AI-Powered Multi-Agent System for Algorithmic Governance. *Submitted to Socio-Economic Planning Sciences*.
- DEL SARTO, S., GNALDI, M., SALVINI, N. (2025). A composite indicator of corruption risk in public procurement over emergencies. *Under review*.
- SALVINI, N., SECONDI, L., LAURETI, T. (2025). Commuting-related transport poverty and equitable mobility policy: A framework combining affordability, time burdens and spatial inequalities. *Under review*.
- ARBIA, G., NARDELLI, V., SALVINI, N. (2025). How Many Significant LISA? *Working paper*.
- ARBIA, G., DELLA RATTÀ, L., NARDELLI, V., SALVINI, N. (2026). Honey, I shrank the spatial econometric coefficients! (SAR-LASSO shrinkage estimation for spatial econometric models). *Working paper*.
- ARBIA, G., NARDELLI, V., SALVINI, N., VALENTINI, I. (2024). New accessibility measures based on unconventional big data sources. *arXiv:2401.13370*.

Software

- SALVINI, N. (2026). overleaf-mcp: Model Context Protocol server for Overleaf — programmatic read, edit and compilation of LaTeX projects. github.com/NiccoloSalvini/overleaf-mcp.
- SALVINI, N. (2026). mcp-moodle-teacher: Model Context Protocol server for the teaching side of Moodle — enrolments, submissions, grading with feedback and announcements. github.com/NiccoloSalvini/mcp-moodle-teacher.
- SALVINI, N. (2026). mcp-blackboard-ucsc: Model Context Protocol server for Blackboard Learn Ultra over the official public REST API. github.com/NiccoloSalvini/mcp-blackboard-ucsc.
- SALVINI, N. (2025). directa-api-python: Python client for the Directa trading API, covering order routing and tick-by-tick historical market data. github.com/NiccoloSalvini/directa-api-python.

- SALVINI, N. (2023). cattolicadown RMarkdown to LaTeX thesis template for UCSC.
- SALVINI, N. (2023). ucscthemes, easily templating with style for Università Cattolica del Sacro Cuore.
- SALVINI, N., DEL SARTO, S., GNALDI, M. (2023). coresoi: measuring corruption risk in emergency. *Zenodo*. doi:10.5281/zenodo.8013258.

PRESENTATIONS

Invited and Solicited Talks

- **SEA26**, Spatial Econometrics Association conference, University of Paris-Panthéon-Assas, Paris (FR), Jun 2026 (Invited talk).
- **LePa 2026**, Artificial Intelligence: Opportunities and Limits for Public Administration and Anti-Corruption, University of Perugia, Perugia (IT), May 2026 (Invited talk).
- **SMEA26**, Statistical Models For The Economic Transition: The New Challenge In a Developing World, Bari (IT), Jan 2026 (Invited session).
- **ESRA25**, Alternative data sources and pseudo-inference in official statistics, Utrecht (NL), Jul 2025 (Invited session).
- **SIS25**, Annual conference of the Italian Statistical Society, Genova (IT), June 2025 (Solicited session).
- **ICES 2025**, Sustainability, Innovation and Digitalization, Napoli (IT), Feb 2025 (Invited session).
- **SIS24**, Annual conference of the Italian Statistical Society, Bari (IT), June 2024 (Solicited session).
- **CLADAG23**, Classification and Data Analysis Group, Salerno (IT), Sept 2023 (Invited session).

Contributed Talks and Workshops

- **IES 2025**, Statistical Methods for Evaluation and Quality, Bressanone (IT), June 2025 (Contributed session).
- **Transport Poverty in Focus**, Insights from the HAC VIA project, Viterbo (VT), May 2025 (Invited Workshop).
- **SEA25**, Spatial Econometrics Association conference, Rabat (MO), May 2025 (Contributed session).
- **SEA24**, Spatial Econometrics Association conference, Groningen (NL), June 2024.
- **IECES24**, 2nd Italian Conference on Economic Statistics, Firenze (IT), Feb 2024 (Contributed session).
- **ASA23**, Statistics, Technology and Data Science for Economic and Social Development, Bologna (IT), Sept 2023.
- **R/Medicine 2023**, Virtual Conference, June 2023.

- **SIS23**, Statistical Learning, Sustainability and Impact Evaluation, Ancona (IT), June 2023.
- **SDSC23**, Spatial Data Science Conference, London (UK), May 2023.
- **SIS X Guardia di Finanza 2022**, Online, Nov 2022.
- **Statistical22**, Measuring the risk of corruption, Online, Oct 2022.
- **VERA22**, Spatial Health Econometrics Workshop, Venice (IT), July 2022.
- **ITACOSM22**, Survey Methods for Statistical Data Integration, Perugia (IT), 2022.
- **SEA22**, Spatial Econometrics Association conference, Warsaw (PL), remote 2022.
- **SEA21**, Spatial Econometrics Association conference, Tokyo (JP), remote 2021.
- **SIS19**, Smart Statistics for Smart Applications, Milano (IT), 2019.

TEACHING EXPERIENCE

2026 – ongoing	Adjunct Lecturer, European School of Economics (ESE), Firenze Courses: <i>Artificial Intelligence for Business and FinTech</i> (short course, 30 hours), <i>MBA03 Research & Quantitative Business Methods</i> (MBA, weeks 1–5), Term 1, A.Y. 2026/27. Invited Guest Lecturer, CEA CAPA Florence Center (Ohio State University) Lecture: <i>The Human and The Machine: road to research and entrepreneurship</i>. June 23, 2026.
2026 – 2027	Adjunct Professor, University “Magna Graecia” of Catanzaro Course: <i>Statistics and Big Data</i> (STAT-01/A), MSc in Healthcare Management — 4 CFU, 24 hours, second semester, A.Y. 2026/27.
2025 – ongoing	Adjunct Professor, Catholic University of Sacred Heart, Rome Courses: <i>Statistics and Big Data</i> (M.Sc.) <i>Metodi Statistici per la Ricerca Economica e Sociale</i> (Ph.D.)
2026 – 2027	Teaching Assistant (Esercitatore), Catholic University of Sacred Heart, Rome Course: <i>Finance</i> — Python lab sessions, M.Sc. in Management, Imprese e Mercati (LM MIM), A.Y. 2026/27.
2022 – 2025	Teaching Assistant, Catholic University of Sacred Heart, Rome Courses: <i>Statistics and Big Data</i> (M.Sc.), <i>Health Econometrics</i> (M.Sc.), <i>Metodi Statistici per la Ricerca Economica e Sociale</i> (Ph.D.).

PROFESSIONAL ACTIVITIES

Scientific Committee Member

- Organising committee, Spatial Econometrics Association conference (SEA25), Rabat, 2025.

Institutional Appointments

- Member of the Advisory Board (*Comitato di Indirizzo*) of the Ph.D. Programme in Health Systems and Service Research, Università Cattolica del Sacro Cuore, Rome, 2026 – 2029.

I authorize the use of my personal data in compliance with Legislative Decree 196/03.

Firenze, June 19, 2025

