

Giovanni Romanò

Curriculum Vitae

Karlsruhe, 76137, Germany
✉ giovanni.romano@kit.edu
📄 giovanni-romano.github.io
DOB: 29/04/1997



Current position

Oct 2025 – Present **Postdoctoral researcher**, KIT – *Karlsruhe Institute of Technology*, Karlsruhe.
Postdoctoral researcher within the [KleinLab](#) group, supervised by Prof. Nadja Klein

Publications

Submitted

- [2025+] **Dependent stochastic block models for age-indexed sequences of directed causes-of-death networks**, *arXiv:2510.01806*, Romanò G., Castiglione, C., Durante, D., [link].
- [2025+] **Bayesian local clustering of age-period mortality surfaces across multiple countries**, *arXiv:2504.05240*, Romanò G., Aliverti, E., Durante, D., [link].

Proceedings

- [2025] **Age-Dependent Analysis of Mortality Patterns in Italy: A Network Perspective via Dynamic Stochastic Block Models**, *Statistics for Innovation I, SIS 2025, Short Papers, Plenary, Specialized, and Solicited Sessions (di Bella, E., Gioia, V., Lagazio, C., Zaccarin, S.)*, pp. 271-276., Castiglione C., Romanò G. (2025), [link].

Ongoing projects

- [2025+] **Model-based dynamic clustering of leading causes of death trajectories under the Hamming distance**, Romanò G., Piccarreta R., Durante, D.
- [2025+] **Bayesian clustering of time-warped sequences of categorical variables**, Romanò G., Klein N.
- [2025+] **Bayesian mode regression through nested interval loss**, Romanò G., Klein N.

Education

- 2021 – 2026 **Ph.D. in Statistics**, BOCCONI UNIVERSITY.
Thesis Title: *Bayesian hierarchical modeling of array-structured demographic data*
Advisor: Daniele Durante. Co-Advisor: Emanuele Aliverti
- 2019 – 2021 **M.Sc. in Statistics, 110/110 cum laude**, UNIVERSITY OF PADOVA.
Thesis Title: *Combination of estimates through confidence densities in logistic regression models* [link]
Advisor: Nicola Sartori
- 2016 – 2019 **B.Sc. in Statistics, 110/110 cum laude**, UNIVERSITY OF MILANO-BICOCCA.
Thesis Title: *Predictive maintenance, statistical approaches and models*
Advisor: Piergiorgio Lovaglio
- 2011 – 2016 **High School Diploma in Scientific Studies**, LICEO SCIENTIFICO ALEXIS CARREL, Milano.

Teaching

- Feb 2024 – Sep 2025 **Teaching Assistant**, BOCCONI UNIVERSITY.
Teaching assistant for the course of Machine Learning (20596), first year of Master's in Data Science and Business Analytics (DSBA).

- Feb 2024 – **Teaching Assistant**, BOCCONI UNIVERSITY.
Sep 2025 Teaching assistant for the course of Time Series Analysis of Economic–Financial Data (20236), first year of Master's in Economics.
- Sep 2022 – **Teaching Assistant**, BOCCONI UNIVERSITY.
Sep 2025 Teaching assistant for the course of Statistics (30001), second year of Bachelor's in Economics.

Work Experience

- Feb 2016 – **Intern**, DELOITTE CONSULTING, Milano.
May 2016 I worked in the actuarial department as a statistician, developing a VBA application for an important Italian insurance company.

Conferences Presentations

- Dec 2025 **CMStatistics 2025**, Birbeck, University of London.
Talk: *Dependent stochastic block models for sequences of directed networks with application to causes of death co-occurrences*
- Aug 2025 **Climbing Mortality Models II**, Misurina.
Talk: *Model-based dynamic clustering of leading causes of death trajectories under the Hamming distance*
- Jun 2025 **BNP14**, UCLA, Los Angeles.
Poster session: *Dependent stochastic block models for sequences of directed networks, with application to USA causes of death*
- May 2025 **WS-NPStats**, LUISS, Rome.
Poster session: *Dependent stochastic block models for sequences of directed networks, with application to USA causes of death*
- Apr 2025 **BAYSM2025**, Online.
Contributed talk: *Dependent stochastic block models for sequences of directed networks, with application to USA causes of death*
- Jul 2024 **CARONTE workshop on advances in causes of death modelling**, University of Padova.
Talk: *Bayesian local clustering of age-period mortality surfaces across multiple countries*
- Jul 2024 **ISBA 2024**, Ca' Foscari University, Venice.
Poster session: *Bayesian local clustering of age-period mortality surfaces across multiple countries*
- Jun 2024 **BAYSM 2024**, Ca' Foscari University, Venice.
Poster session: *Bayesian local clustering of age-period mortality surfaces across multiple countries*

Awards

- Jun 2025 **Poster award**, BNP14, UCLA, Los Angeles.
Dependent stochastic block models for sequences of directed networks, with application to USA causes of death
- Jul 2024 **Junior travel award**, ISBA2024, Ca' Foscari University, Venice.
Bayesian local clustering of age-period mortality surfaces across multiple countries
- May 2024 **Best master thesis in Methodological Statistic in memory of Oliviero Lessi (honorable mention)**, Italian Statistical Society (SIS).
Combination of estimates through confidence densities in logistic regression models [link], under the supervision of professor Nicola Sartori

Schools

- Sep 2024 **Short Course on Graphical Models**, University of Padova.
Jul 2024 **Data Research Camp**, University of Florence.
Sep 2023 **Replicability Crisis in Science**, University of Padova.
Jul 2022 **Advanced Statistics and Probability**, Bocconi University, Lake Como.

Certificates

- Feb 2026 **Karlsruhe Institute for Technology - A1.1 German language**.
- Dec 2022 **Bocconi University - BEAT (Bocconi Excellence in Advance Teaching)**.
- Feb 2021 **University of Padova - Certificate of English, LEVEL B2**.
- Mar 2017 **Bicocca University - Certificate of English, LEVEL C1 CEFR**.

Interests

- Amateur basketball player since I was 6
- Sports and sports analytics
 - Ongoing project investigating the factors that impact NBA foul whistles.
 - Shiny app to collect insightful data for betters on main European football leagues ([link](#))
 - Shiny app for '23-'24 Euroleague tie-breakers ([link](#))