

# Dr. Silvia Emili

## Office address

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## Current position

Fixed-term Researcher in Tenure Track L. 79/2022. Department of Statistical Sciences "P. Fortunati", University of Bologna (since 02/24).

## Areas of specialization

Multivariate time series analysis, Spatial statistics and econometrics, Economic statistics for regional and urban sciences, Poverty, Wellbeing, Consumption Behaviour, Cultural and Tourism Economics

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## Previous positions and work experience

Junior Assistant Professor:

12/2020– 02/2024 Department of Statistical Sciences "P. Fortunati". University of Bologna

Research fellow:

09/2018– 12/2020 *Income, ageing, living standards and well-being: impact on consumption and leisure choices.*

Supervisor: Prof. C. Bernini. Department of Statistical Sciences "P. Fortunati". University of Bologna

05/2012– 09/2013 *Systemic Risk and Financial Risk Pricing*

Supervisor: Prof. A. Gardini. Department of Statistical Sciences "P. Fortunati". University of Bologna

Visiting Researcher:

09/2019– 12/2019 Groningen University, Faculty of Economics and Business.

Reference person: Prof. J.P. Elhorst

Researcher in projects:

06/2018– 09/2018 *Piano Lauree Scientifiche: Studio degli Abbandoni*

Supervisor: Prof. S. Mignani, University of Bologna

12/2017– 06/2018 *Metodologia statistica per la rilevazione dell'attività congressuale in Emilia-Romagna*

Supervisor: Prof. C. Bernini, University of Bologna

05/2017– 12/2017 *Analisi e previsione della domanda turistica a livello di destinazione (piccole aree): le nuove opportunità fornite dai big data*

Supervisor: Prof. A. Guizzardi, University of Bologna

12/2016– 04/2017      *Analisi e sviluppo di modelli VAR strutturali con dati a diversa frequenza*  
 Supervisor: Prof. L. Fanelli, University of Bologna

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## Education

02/2017      Ph.D. in Statistical Sciences, University of Bologna, Italy  
 Scientific Sector: SECS-P/05 Econometrics.  
 Title: Identification and estimation of Structural VAR models with mixed frequency data: a moment-based approach.  
 Supervisor: Prof. L. Fanelli, University of Bologna

10/2010      Master degree in *Sistemi Informativi per l'Azienda e la Finanza*, Department of Statistical Sciences, University of Bologna

07/2008      Bachelor degree in *Finanza e Assicurazioni*, Department of Statistical Sciences, University of Bologna

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## Publications

### Contributions in refereed journals

Emili S., Galli F. (forthcoming) Capturing Inter and Intra Sectoral Productivity Spillovers in Industrial Filière: A System of Dynamic Spatial Panel Data Models. *Journal of Regional Science*, 1 - 15.  
<https://doi.org/10.1111/jors.12757>

Emili S., Galli F. (forthcoming) Modelling Spatio-Temporal Dynamics in Multi-Output Stochastic Frontiers for the European Agribusiness Industry. *Journal of Agricultural, Biological, and Environmental Statistics*, 1 - 36.

Magrone M., Montani F., Emili S., Bakker A.B., Sommovigo V. (2024) A New Look at Job Demands, Resources, and Volunteers' Intentions to Leave: The Role of Work–Home Interference and Burnout. *Voluntas*, 35, 1118 - 1130.

Bernini C., Emili S., Ferrante M. (2023) Poverty-happiness nexus: Does the use of regional poverty lines matter? *Papers in Regional Science*. DOI: 10.1111/pirs.12722

Emili S., Galli F. (2023) Spatial and cross-sectoral input spillover effects: the case of the Italian tourism industry. *Journal of Productivity Analysis*, 59, pp. 243–258

Elhorst, J.P., S. Emili. (2022) A spatial econometric multivariate model of Okun's law. *Regional Science and Urban Economics*, 93, 103756.

Emili, S., Galli, F. (2022) Life domains satisfaction, perceived inequalities, and individual expenditures in Italy. *Quality & Quantity*, 56(6), 4573–4597.

Bernini, C., Emili, S., Galli, F. (2021) The happiness-consumption relationships in the different urbanized areas of Italy. *Papers in Regional Science*, 100(6), 1403–1428.

Bernini, C., Emili, S., Medei, R. (2021) The spatial agglomeration of the MICE industry. *International Journal of Tourism Research*, doi.org/10.1002/jtr.2440

Bernini, C., Emili, S., Vici, L. (2021), Are Mass Tourists Sensitive to Sustainability? *Tourism Economics*, 27(7), 1375–1397.

Emili, S., E. Foscolo, A. Gardini. (2020) High spatial and temporal detail in timely prediction of tourism demand. *International Journal of Tourism Research*, 2(4), 451-463.

Emili, S., P. Figini and A. Guizzardi (2020) Modelling international monthly tourism demand at the micro destination level with climate indicators and web-traffic data. *Tourism Economics*, 26(7), 1129–1151.

### Chapters in book

Bernini C., Emili S., Ferrante M. (2024) Regional disparities in the sensitivity of well-being to poverty measures, in: *Spatial Inequalities and wellbeing: A multidisciplinary perspective*, Cheltenham, Edward Elgar Publishing Limited.

Bernini C., Emili S., Ferrante M. (2023) Poverty Adaptation, Multidimensional Well-Being and Regional Disparities in Italy: A Statistical Matching Approach, in: *Cities and regions in transition*, Milano, FrancoAngeli, pp. 161 - 180.

### Conference proceedings

Emili, S., Galli, F. (2025) A Simultaneous System of Dynamic Spatial Stochastic Frontier Models, in: *Methodological and Applied Statistics and Demography II - SIS 2024, Short Papers, Solicited Sessions*, Springer, pp. 175 - 180 (atti di: 52a Riunione Scientifica della Società Italiana di Statistica, Bari, 17-20 June 2024)

Bernini C., Emili S., Ferrante M. (2019). Statistical Matching of HBS and ADL to analyse living conditions, poverty and happiness. Conference Proceedings: *Smart Statistics for Smart Applications*. Società Italiana di Statistica (SIS). Milan, 18-21 June 2019. ISBN 9788891915108

### Editorial activities

Bernini, C., Emili S. (Editors). Volume title: *Regions between challenges and unexpected opportunities*. Book series "Collana AISRe". (available at: [http://ojs.francoangeli.it/\\_omp/index.php/oa/catalog/book/700](http://ojs.francoangeli.it/_omp/index.php/oa/catalog/book/700))

### Professional reports

Bernini C., Dolcini C., Emili S., Saba F., Villalobos V. (2021) REPORT: L'attività congressuale in Emilia-Romagna al tempo del Covid. Center for Advanced Studies in Tourism (CAST), University of Bologna, Rimini Campus

Bernini C., Emili S., Galli F., Greco F.P., Medei R. (2019) REPORT: Produzione e domanda congressuale in Emilia-Romagna. Osservatorio sul turismo congressuale in E-R. Center for Advanced Studies in Tourism (CAST), University of Bologna, Rimini Campus

Bernini C., Emili S., Greco F.P., Medei R. (2018) REPORT: Metodologia statistica per la rilevazione dell'attività congressuale in Emilia-Romagna. Center for Advanced Studies in Tourism (CAST), University of Bologna, Rimini Campus

### Other

Emili S. (2017) Identification and estimation of Structural VAR models with mixed frequency data: a moment-based approach. Ph.D. Thesis: in Statistical Sciences, University of Bologna. Scientific Sector: SECS-P/05 Econometrics. Supervisor: Prof. L. Fanelli. DOI 10.6092/unibo/amsdottorato/7790

## Conferences and workshops

### Session convenor

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| 2025      | - Annual Conference of the Italian Regional Sciences Association (Torino, Italy);<br>- Annual Conference of European Regional Science Association (Azzorre, Portugal);<br>- 23rd International Conference on Cultural Economics (ACEI, Rotterdam).             |
| 2025      | - Annual Conference of the Italian Regional Sciences Association (Torino, Italy);<br>- Annual Conference of European Regional Science Association (Azzorre, Portugal);<br>- World Congress of Regional Science Association International (Kecskemét, Hungary). |
| 2020-2023 | - Annual Conference of the Italian Regional Sciences Association.  |

## Participation

- 2025
- 3rd Italian Conference on Economic Statistics (ICES, Napoli);
  - Annual Conference of the Italian Regional Sciences Association (AISRE, Pescara);
  - Annual Conference of European Regional Science Association (ERSA, Athens);
  - 23rd International Conference on Cultural Economics (ACEI, Rotterdam);
  - Workshop on Advances in Spatial and Network Modelling for Policy Making (Roma);
  - Workshop on The art market, heritage and sustainable local development (Rimini).
- 2024
- Annual Conference of the Italian Regional Sciences Association (AISRE, Torino);
  - Annual Conference of European Regional Science Association (ERSA, Azzorre);
  - Annual Conference of Società Italiana di Statistica (SIS, Bari);
  - World Conference of Spatial Econometric Association (SEA, Groningen).
- 2020-2023
- Annual Conference of the Italian Regional Sciences Association (AISRE, Torino and online);
  - Annual Conference of European Regional Science Association (ERSA, online participation);
- 2019
- Annual Conference of the Italian Regional Sciences Association (AISRE, L'Aquila);
  - Annual Conference of Società Italiana di Statistica (SIS, Milano).

## Invited

- 2023 Emili, S., Galli F. A system of dynamic spatial panel models to capture inter- and intra- sectoral productivity spillovers. 18TH EU-REAL Meeting (hosted by IRPET, Florence, Italy)
  - 2022 - Emili, S., Galli F. Spatial dynamics in the productive system of the Italian tourism industry. Annual Conference of the Italian Regional Sciences Association (Milan, Italy)
  - 2020 Emili S., Elhorst J.P. A simultaneous system of dynamic spatial panel data equations on Okun's law. Conference of the European Regional Sciences Association (Web Conference - canceled)
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## Services in scientific societies

Board Member: Center for Advanced Studies in Tourism, University of Bologna  
 Board Member (Elected 2023-2025): AISRe - Italian Regional Sciences Association (Italian Section of the Regional Science Association International)

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## Scientific Affiliations

Italian Regional Sciences Association (AISRe), European Regional Sciences Association (ERSA)

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## Editorial activities and Refereeing

- Associate editor of "Humanities and Social Sciences Communications". <https://www.nature.com/palcomms/>
  - Publisher: SPRINGER NATURE, Campus, 4 Crinan St, London, England. ISSN / eISSN: 2662-9992
  - Referee for: Spatial Economic Analysis, Tourism Management, International Journal of Tourism Research, Urban Studies
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## Participation in conference organization

- 2025            Workshop on The art market, heritage and sustainable local development
- 2020-2025    Annual Scientific Conference of the Italian Regional Sciences Association
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## Scholarships and Grants

- 2021 Most Downloaded Article for "Papers in Regional Science":  
Bernini C., Emili S., Galli F. (2021) Does urbanization matter in the expenditure-happiness nexus? Volume 100, Issue 6, 1403-1428.
- 2019 Marco Polo scholarship, Department of Statistical Sciences, University of Bologna
- 2013-2016 Ph.D. scholarship, Department of Statistical Sciences, University of Bologna

## Coordination of and Participation in National and International Research Groups

### Awarded on a competitive basis

- 2024 Member of Interreg Euro MED Program, Co-funded by European Union: *LIBECCIO - sustainability of tourism By Enhancing Cooperation and digital transformation* – Project ID Euro-2 MED0200672 - Principal Investigator for the Partnership: Paolo Figini, University of Bologna.
- 2023 Principal investigator of local unit in PRIN research group (Progetti di Ricerca di Interesse Nazionale, financed by the Italian Ministry of Education) 2022: *Towards local development through a sustainable valorization of cultural heritage*. Principal Investigator: Silvia Cerisola, Politecnico di Milano. MUR unit co-funding: 79,323.00 EUR.
- Member of PRIN research group (Progetti di Ricerca di Interesse Nazionale, financed by the Italian Ministry of Education) 2022-PNRR: *Consumer behavior, digital platforms and spatial spillover effects in a dual electricity market*. Principal Investigator: Elias Carroni, University of Bologna.

### Other

- 2023 Member of the NEST (Network of Education on Sustainable Tourism, <https://www.nesttourism.org/>) project. CAST - Rimini.
- 2019 Member of the "Metodologia statistica per la rilevazione dell'attività congressuale in Emilia-Romagna" project. Funded by Apt Servizi srl.
- 2017 Member of the "Indagine sull'attività congressuale in Emilia-Romagna" project. Funded by Apt Servizi srl.

## Teaching

### Professor

- 2024-2025 Service data analysis (Language: EN) - Master degree in *Service Management*, Department of Management, University of Bologna - 30 hours
- Statistica Economica - Modulo 3 (Language: IT) - Bachelor degree in *Corso di Laurea in Scienze statistiche, finanziarie ed attuariali*, Department of Statistical Sciences, University of Bologna - 30 hours
- from 2023-2024 Service data analysis (Language: EN) - Master degree in *Service Management*, Department of Management, University of Bologna - 30 hours (*Business data analysis in 2021-2022 and 2022-2023*)
- to 2021-2022 Data Analysis for Managerial Decision Making - Data mining (Language: EN) - Master degree in *Business, Administration and Sustainability*, Department of Management, University of Bologna - 30 hours (*Quantitative Methods (I.C.) in 2021-2022 and 2022-2023*)
- 2022 Introduzione ad Excel (Language: IT), Master in Valorizzazione turistica e gestione del patrimonio culturale, University of Bologna, Ravenna Campus - 3 hours

- 2020-2021 Business data analysis (Language: EN) - Master degree in *Amministrazione e gestione di impresa - Curriculum Service Management*, Department of Management, University of Bologna - 30 hours
- from 2017 to 2022 Analisi dei mercati e delle performance di beni ed eventi culturali. Modulo 2 - Introduzione alla statistica (Language: IT), Master in Valorizzazione turistica e gestione del patrimonio culturale, University of Bologna, Ravenna Campus - 9 hours

### Adjoint Professor

- 2019-2020 Laboratorio di metodi quantitativi per l'impresa (Language: IT) - Master degree in *Amministrazione e gestione di impresa - Curriculum Gestione d'Impresa*, Department of Management, University of Bologna - 30 hours
- 2018-2019 Business data analysis (Language: EN) - Master degree in *Amministrazione e gestione di impresa - Curriculum Service Management*, Department of Management, University of Bologna - 30 hours

### Teaching Assistant

- 2020 Financial econometrics (Language: IT) - Master degree in *Scienze Statistiche, Finanziarie ed Attuariali*, Department of Statistical Sciences, University of Bologna - 15 hours
- 2014-2020 Econometrics of financial markets (Language: IT) - Bachelor degree in *Finanza e Assicurazioni*, Department of Statistical Sciences, University of Bologna - 30 hours
- 2017-2020 Statistics (Language: EN) - Bachelor degree in *Economia del Turismo - Curriculum International tourism and leisure industries*, Department of Economics, University of Bologna - 30 hours

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### Institutional Activities

- 2025 Reference person for Erasmus+ mobility for Tallinn University of Technology (Estonia)  
Supervisor of PhD student: Haleema Sadia  
Mentor of research fellow: Alessio Menonna  
Member of research commission (Department of Statistical Sciences, University of Bologna)  
Member of commission for teaching assistance (Department of Statistical Sciences, University of Bologna)  
Supervisor of master degree thesis
- 2024 Mentor of research fellow: Alessio Menonna  
Member of research commission (Department of Statistical Sciences, University of Bologna)  
Member of commission for teaching assistance (Department of Statistical Sciences, University of Bologna)  
Member of intake commission (Department of Management, University of Bologna)  
Member of research fellowship commissions  
Supervisor of master degree thesis
- 2023 Mentor in Erasmus+ Traineeship: Karolina Siwiec (University of Warsaw), Anna Jachowicz (University of Warsaw).  
Member of scholarship commissions (Department of Management, University of Bologna)  
Member of intake commission (Department of Management, University of Bologna)  
Member of research fellowship commissions  
Supervisor of master degree thesis
- 2022 Member of research fellowship commissions  
Member of intake commission (Department of Management, University of Bologna)  
Supervisor of master degree thesis
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