

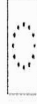


ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO
DI SCIENZE STATISTICHE
"PAOLO FORTUNATI"



FORMATO EUROPEO PER IL CURRICULUM VITAE



INFORMAZIONI PERSONALI

Nome
Indirizzo

Nazionalità

NARCISI MARTINA

ESPERIENZA LAVORATIVA

Febbraio 2024 – Presente

Assegnista di Ricerca presso Università di Bologna
Dipartimento di Scienze Statistiche "Paolo Fortunati"
Responsabile: *Fedele Greco*
Utilizzo dei dati di indagine per l'abbinamento statistico e la stima per piccole aree.

Febbraio 2023 – Gennaio 2024

Assegnista di Ricerca presso Università di Bologna
Dipartimento di Scienze Biologiche, Geologiche e ambientali
Responsabile: *Giovanna Pezzi*
Strategie di campionamento e mappatura per le specie di interesse per la conservazione in Emilia-Romagna.

ISTRUZIONE E FORMAZIONE

Novembre 2019 – Giugno 2023

Dottorato in Scienze Statistiche, Dipartimento di Scienze Statistiche "Paolo Fortunati", Università di Bologna.
Supervisore: *Carlo Trivisano*
Tesi: *On the effect of confounding in linear regression models: an approach based on the theory of quadratic forms.*

Settembre 2017 – Settembre 2019

Laurea magistrale in Scienze Statistiche, Finanziarie ed attuariali
Dipartimento di Scienze Statistiche "Paolo Fortunati",
Università di Bologna, campus di Rimini.
Supervisore: *Fedele Greco*
Tesi: *Stima dei parametri delle distribuzioni di perdita nella gestione del rischio assicurativo.*

DIREZIONE - DIPARTIMENTO DI SCIENZE STATISTICHE "PAOLO FORTUNATI"

Via Belle Arti, 41 | 40126 Bologna | Italia | Tel. + 39 051 2098240 | stat.segreteria@unibo.it



ALMA MATER STUDIORUM
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DIPARTIMENTO
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Ottobre 2013 – Febbraio 2017

Laurea triennale in Matematica ed altre applicazioni
Dipartimento di Matematica "Giacchetta", Università di Camerino.
Supervisore: *Carlo Lucheroni*
Tesi: *Matematica delle assicurazioni sulla vita.*

**CAPACITÀ E COMPETENZE
PERSONALI**

PRIMA LINGUA **Italiano**

ALTRE LINGUE

Inglese

Capacità di lettura	buono
Capacità di scrittura	buono
Capacità espressione orale	buono

CAPACITÀ E COMPETENZE

Ho sviluppato ottime capacità di lavoro in team, affinando collaborazione, comunicazione e gestione dello stress. Inoltre, l'esperienza in un gruppo di ricerca universitario mi ha permesso di consolidare l'attitudine al problem-solving, condivisione di idee e lavoro interdisciplinare.

**CAPACITÀ E COMPETENZE
TECNICHE**

Ottima conoscenza di **Microsoft Office, LATEX, R, C++, MATLAB**, acquisita durante il percorso accademico e nell'ambito della ricerca.

ALLEGATI

Curriculum Vitae accademico più dettagliato.

Luogo e data

Bologna, 16/06/2025

Firma

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Via Belle Arti, 41 | 40126 Bologna | Italia | Tel. + 39 051 2098240 | stat.segreteria@unibo.it

Martina Narcisi

Email: martina.narcisi2@unibo.it

Website: <https://www.unibo.it/sitoweb/martina.narcisi2>

Location and Date of Birth: San Benedetto del Tronto, 21/02/1994

Office: Viale Quirico Filopanti, 9 (BO)



RESEARCH INTERESTS

Linear regression models focused on the problem of confounding, Bayesian spatio-temporal hierarchical models with a focus on the identifiability problem, Spatial statistics, Gaussian latent models, sampling methods and techniques with application to the epidemiological and environmental field, disease mapping and analysis of volleyball data with the application of random partition models, focusing on the problem of players' evaluation. Statistical matching and small area estimation.

RESEARCH ACTIVITIES

Research Fellow

Department of Statistical Sciences "Paolo Fortunati"

Employing survey data for statistical matching and small area estimation.

Bologna, ITA

February 2024–Present

Department of Biological, Geological, and Environmental Sciences

Sampling and mapping strategies for species of conservation interest in Emilia-Romagna.

February 2023–January 2024

EDUCATION

Alma Mater Studiorum, University of Bologna

Teacher qualification program for upper secondary education.

Specialization in Mathematics (Class A026)

Bologna, ITA

March 2025–Present

Alma Mater Studiorum, University of Bologna

Ph.D. in Statistical Sciences, Supervisor: Prof. Carlo Trivisano

– Thesis: "On the effect of confounding in linear regression models: an approach based on the theory of quadratic forms"

Bologna, ITA

November 2019–June 2023

Alma Mater Studiorum, University of Bologna

M.S. in Statistical, Financial and Actuarial Sciences, Supervisor: Prof. Fedele Greco

– Thesis: "Stima dei parametri delle distribuzioni di perdita nella gestione del rischio assicurativo"

Rimini, ITA

September 2017–September 2019

University of Camerino

B.S. in Mathematics and Applications, Supervisor: Prof. Carlo Lucheroni

– Thesis: "Matematica delle assicurazioni sulla vita"

Camerino, ITA

October 2013–February 2017

VISITING PERIODS

Brigham Young University
Visiting Scholar. Tutor: Prof. Garritt Page

Provo, Utah (US)
March 2023–June 2023

PUBLICATIONS

M. Narcisi, F. Greco, C. Trivisano. On the effect of confounding in linear regression models: an approach based on the theory of quadratic forms. *Environmental and Ecological Statistics* (2024).
<https://doi.org/10.1007/s10651-024-00604-y>

M. Narcisi. On the effect of confounding in linear regression models: an approach based on the theory of quadratic forms. *PhD Dissertation Thesis* (2023).
<https://amsdottorato.unibo.it/11001/>

CONTRIBUTIONS IN PROCEEDINGS

M. Narcisi, G.L. Page, G.W. Fellingham. Evaluating volleyball setters using Product Partition Models. *Proceedings of the SIS 2024 Conference (Bari, 17–20 June 2024)*, *Methodological and Applied Statistics and Demography IV*, Springer Nature Switzerland, pp.318–323. ISBN: 978-3-031-64447-4.
https://doi.org/10.1007/978-3-031-64447-4_54

F. Greco, **M. Narcisi**. On the effect of spatial confounding: an approach based on the theory of quadratic forms. *Proceedings of the GRASPA 2023 Conference (Palermo, 10–11 July 2023)*, pp.86–91. ISBN: 979-1-221-03389-2

WORKING PAPERS

M. Narcisi, F. Greco. On the sampling distribution of the ordinary least square estimator in parametric statistical matching.

M. Narcisi, G.L. Page, G.W. Fellingham. Ranking Volleyball Setters: Analyzing Performance Variability with Product Partition Models.

PROJECTS

COMBI project (COnoscere e **MO**nitoreare la **BIO**diversità) 2022–2024
The project focuses on updating the regional knowledge framework on conservation-relevant species and defining a long-term regional monitoring plan in Emilia-Romagna. Key quantities for monitoring were estimated, and an interactive R-Shiny application was developed to create suitability maps and perform various sampling strategies for target species.

ACADEMIC TEACHING ACTIVITIES

Crash Course at University of Bologna, Department of Economics 2023–2025
Mathematics (Economics and Business)

Teaching Assistant at University of Bologna, Department of Economics 2023–2025
Metodi statistici per le applicazioni aziendali (Economia dell'impresa)

Teaching Assistant at University of Bologna, Department of Statistical Sciences Statistica, Metodi di campionamento, Inferenza statistica (Statistica, finanza ed assicurazioni-CLASFA), Statistica avanzata (Scienze statistiche, finanziarie ed attuariali-SSFA)	2020–2025
Teaching Assistant at University of Bologna, Department of Statistical Sciences Algebra (Statistical Sciences-CLASS)	2020–2021

TALKS IN CONFERENCES AND WORKSHOPS AS SPEAKER

- F. Greco, M. Narcisi. *Confounding in Linear Regression Models*. ISBA World Meeting, 1–7 July 2024 (**Contributed** (poster)) at the Department of Economics – Ca' Foscari University of Venice, Italy.
- M. Narcisi, G. L. Page, G.W. Fellingham. *Evaluating volleyball setters using Product Partition Models*. SIS conference, 17–20 June 2024 (**Contributed**) at the Department of Economics – University of Bari Aldo Moro, Italy.
- F. Greco, M. Narcisi. *Monitoring for Biodiversity: A Strategic Sampling Approach to Habitat Coverage in Emilia-Romagna*. Final Conference of the COMBI Project, 24 June 2024 (**Invited**) at the Department of Land and Environmental Management – Regione Emilia-Romagna.
- F. Greco, M. Narcisi. *On the effect of spatial confounding: an approach based on the theory of quadratic forms*. GRASPA-SIS biennial conference, 10–11 July 2023 (**Invited**) at the Department of Economics – University of Palermo, Italy.
- F. Greco, M. Narcisi. *Evaluation of confounding in linear regression models: an approach based on the theory of quadratic forms*. Seminar April 2023 (**Invited**) at the Department of Statistics – Brigham Young University, Provo, Utah.

TALKS IN CONFERENCES AND WORKSHOPS AS CO-AUTHOR

- F. Greco, M. Narcisi. *On the sampling distribution of regression coefficient estimators in the presence of confounding*. Complex Environmental Data and Modeling (CoEnv) workshop, 10 April 2024 (**Invited**) at University of Chieti-Pescara.

WORKING EXPERIENCE

Alma Mater Studiorum, University of Bologna Degree programme tutor for M.S. in Statistical, Financial and Actuarial Sciences	Rimini, ITA 2017–2019
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SCHOLARSHIPS AND AWARDS

Merit-based scholarship <i>Department of Mathematics, University of Camerino</i>	2013–2016
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INSTITUTIONAL ACTIVITIES

Elected PhD Students representative in the PhD Board <i>Department of Statistical Sciences “Paolo Fortunati”, University of Bologna</i>	2020–2023
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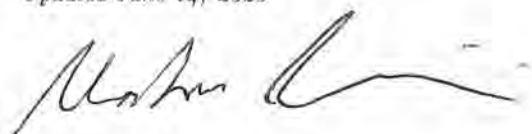
SKILLS

Software and Programming: Microsoft Office,
L^AT_EX, R, C++, MATLAB

LANGUAGES

English: C1 level
Spanish: B1 level

Updated June 14, 2025

A handwritten signature in black ink, appearing to read 'M. A. C.', written in a cursive style.

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