

PERSONAL INFORMATION

Andrea Vaiano

 Dipartimento di Scienze Statistiche, Sapienza Università di Roma

EDUCATION AND TRAINING

2024 – Present **PhD in School of Statistical Sciences (40th cycle)**
Sapienza University, Rome, Italy

2022–2024 **MSc in Statistical Methods and Application - Data Analyst**
Sapienza University, Rome, Italy
Double degree programme
110/110 with honours
Thesis: Assessing the European “convergence machine”: The empirics of regional economic growth

2019–2022 **BSc in Statistics, Economics and Society**
Sapienza University, Rome, Italy
Student Honors Programme
110/110 with honours
Thesis: La lenta marcia della convergenza al benessere: un’analisi statistica delle nuove traiettorie di sviluppo umano

INTERNATIONAL EXPERIENCE

2023 – 2024 **M2 Mathématiques, Apprentissage, Sciences et Humanités (MASH)**
Université Paris Dauphine - PSL, Paris, France
Double degree programme
Research project: Exploring the Sino-Tibetan Family of languages through ContacTrees: a Novel Methodological Approach

2021 **BSc Population and Geography**
University of Southampton, Southampton, United Kingdom
Erasmus+ semester mobility

ACADEMIC ACTIVITY

2024 **Workshop VAW 2024 Violence against women: misreported information and other challenges in modelling social data**
I contributed to the organization of the Intermediate PRIN2022 meeting held in Sapienza University of Rome on 13th September 2024.

2022 – Present **Academic Tutoring**
Tutoring activities for the courses of Economic Statistics, including lectures and exercise classes with a focus on R programming, conducted under the supervision of Prof. Maria Grazia Pittau and Prof. Roberto Zelli.

RESEARCH EXPERIENCE

2023 – 2024

Research internship (Campus Bio-Medico University of Rome)

Reference data analyst for medical research in the orthopaedics lab supervised by Prof. Umile Giuseppe Longo, contributing to the statistical analysis for evaluating postoperative patient well-being. The assessment of surgery recovery was based on survey data, prompting the use of non-parametric methods for estimation and hypothesis testing.

PERSONAL SKILLS

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
			Cambridge Advanced English (CAE)		
French	A2	B1	A2	A2	A2
Spanish	B1	B1	B2	B2	B1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Soft skills

- Teamwork: I have worked in various types of teams from research teams to sports competition organisations. For 2 years I was involved in the Rome tennis masters Tournament Direction team.
- Intercultural skills: I am experienced at cooperating and communicating in international contexts thanks to multiple experiences abroad.

Digital competences

SELF-ASSESSMENT

Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

[Digital competences - Self-assessment grid](#)

Programming skills

- Proficient in R
- Basics of Python

Software skills

- SPSS
- BEAST
- SAS
- \LaTeX

PUBLICATIONS

- [1] Umile Giuseppe Longo, Rocco Papalia, Alessandro Mazzola, Stefano Campi, Sergio De Salvatore, Vincenzo Candela, **Andrea Vaiano**, Ilaria Piergentili, and Vincenzo Denaro. "Bilateral simultaneous hip and knee replacement: an epidemiological nationwide study from 2001 to 2016". In: *BMC surgery* 24.1 (2024), p. 172.
- [2] Maria Grazia Pittau, **Andrea Vaiano**, and Roberto Zelli. *Assessing the European convergence machine: do countries converge and regions do not?* Working Paper 25_07. CRENoS, 2025.
- [3] Umile Giuseppe Longo, Alberto Lalli, Benedetta Bandini, Alice Piccolomini, Nathan S. Ullman, **Andrea Vaiano**, and Pieter D'Hooghe. "Revision rates and progression to shoulder arthroplasty after arthroscopic repair of massive rotator cuff tears". In: *Knee Surgery, Sports Traumatology, Arthroscopy* 33.6 (2025), pp. 2255–2268.