

LORENZO TESTA · CV

Monday 27th June, 2022

PERSONAL INFORMATION

Date of birth September, 6th 1998
Address via San Lorenzo 26, Pisa, Italy
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Orcid [0000-0003-2782-4846](https://orcid.org/0000-0003-2782-4846)

RESEARCH INTERESTS

Analysis of structured and complex data (e.g., functional and network data); statistical stability; computational statistics; statistical machine learning

EXPERIENCE

Teaching Assistant

- 2022– · “Statistics” (undergraduate level) · Department of Economics, University of Pisa, Italy
- 2022 · “Applied Statistics” (undergraduate level) · Sant’Anna School of Advanced Studies, Italy
- 2021 · “Macroeconomics” (undergraduate level) · Department of Economics, University of Pisa, Italy

2022– Research Assistant

The Climate Repository Project · Sant’Anna School of Advanced Studies, Italy

2021 Visiting Scholar

Department of Statistics, Eberly College of Science, The Pennsylvania State University, United States · Research on COVID-19 data using Functional Data Analysis techniques; attendance, departmental seminars and “Multivariate Analysis” (STAT 565) lectures

2020–2021 Data Analyst

Data analyst for the Tuscany Regional Medical Service, USL Toscana Nord-Ovest, Italy · Analysis of COVID-19 textual data

EDUCATION

University of Pisa, Italy

- M.Sc. in Computer Science* → 2020– · Master of Science in Computer Science (“Data Science and Business Informatics”, LM-18) · GPA: 30/30 · Expected graduation: July 2022
- B.Sc. in Economics* → 2017–2020 · Bachelor degree in Economics (“Economia e Commercio”, L-33) · Final grade: 110/110 *cum laude et encomium* (highest honors) · Graduated in February 2020, one semester ahead of the standard term

Sant’Anna School of Advanced Studies, Italy

Competitive honors program ($\approx 5\%$ admission rate) · 5-year full government-funded scholarship (housing, canteen, travel grants), honor courses, yearly dissertations, language studies and GPA requirements

- Master Diploma in Economics* → 2020– · Master Diploma in “Economics” · GPA: 29.5/30 · Expected graduation: December 2022
- Diploma in Economics* → 2017–2021 · Diploma in “Economics” · Final grade: 100/100 *cum laude* (highest honors)

Machine Learning Summer School	2021	University of Genova, Italy
		Summer School in “Regularization Methods for Machine Learning”, hosted by MaLGA (Machine Learning Centre of the University of Genova) in partnership with MIT
Economic Networks Summer School	2020	University of Oxford, United Kingdom
		Summer School in “Economic Networks”, hosted by the Mathematical Institute and the Institute for New Economic Thinking, University of Oxford
Erasmus Program	2019	University of Galway, Ireland
		Exchange student, Department of Business and Economics, National University of Ireland, Galway (NUIG)
Data Science Summer School	2019	Data Science Summer School, Pisa, Italy
High School Diploma	2012-2017	Liceo Scientifico Filippo Lussana, Bergamo, Italy
		Final grade: 100/100
High School Exchange Program	2016	Urrbrae High School, Adelaide, South Australia
		Exchange student for one academic semester · Recognition of “academic excellence”

RESEARCH & PUBLICATIONS

*: equal contribution; ✉: correspondence

Published papers	1. ESPOSITO, C.*, GORTAN, M.*, TESTA, L.*✉, CHIAROMONTE, F.✉, FAGIOLO, G., MINA, A., ROSSETTI, G. · Venture capital investments through the lens of network and functional data analysis · Applied Network Science 7, 42 (2022)
	2. BOSCHI, T., DI IORIO, J., TESTA, L., CREMONA, M. A.✉, CHIAROMONTE, F.✉ · Functional data analysis characterizes the shapes of the first COVID-19 epidemic wave in Italy · Scientific Reports 11, 17054 (2021)
Book chapters & Conference proceedings	3. ESPOSITO, C.*, GORTAN, M.*, TESTA, L.*✉, CHIAROMONTE, F., FAGIOLO, G., MINA, A., ROSSETTI, G. · Can you always reap what you sow? Network and functional data analysis of venture capital investments in health-tech companies · Proceedings of the 10 th International Conference on Complex Networks and Their Applications (2021)
	4. PAPA, S., ROSI, B., TESTA, L.✉, VASELLI, F., ROSSETTI, G. · Inequality in the menu: how a network of restaurants characterizes social disparities in Boston · Book of Abstracts of the 10 th International Conference on Complex Networks and Their Applications (2021)
Submitted and Working papers	5. BOSCHI, T.*, DI IORIO, J.*, TESTA, L.*, CREMONA, M. A., CHIAROMONTE, F. · Contrasting waves of COVID-19 epidemic in Italy through Functional Data Analysis
	6. TESTA, L., CHIAROMONTE, F., MINA, A. · The DNA of science: network analysis of publications in genomics · Sant’Anna Colloquium Paper (2021)

TALKS

April 2022 · Trajectories towards success: characterizing venture capital investment networks · ICHEC Brussels Management School, Belgium

December 2021 · An evolving science: network perspectives from genomics · Sant’Anna School of Advanced Studies, Italy

May 2019 · Fiscal expansion versus consolidation · Sant’Anna School of Advanced Studies, Italy

May 2018 · PageRank, explained · Sant’Anna School of Advanced Studies, Italy

OTHER INFORMATION

<i>Programming Languages</i>	AMPL · C · Julia · \LaTeX · MatLab · Python · R · SQL
<i>Spoken Languages</i>	ITALIAN (Native) · ENGLISH (TOEFL score 108/120: CEFR C1) · SPANISH (exp. B1) · FRENCH (exp. B1)
<i>Memberships</i>	American Statistical Association · Institute of Mathematical Statistics · Royal Statistical Society
<i>Service</i>	<ul style="list-style-type: none"> → 2020–2022 · Honors students' representative in the Board of the Social Sciences academic class · Sant'Anna School of Advanced Studies → 2020–2021 · Member of honors students' financial statement Committee · Sant'Anna School of Advanced Studies → 2018–2020 · Member of honors students' public relations Committee · Sant'Anna School of Advanced Studies