

LORENZO TESTA · CV

Saturday 23rd July, 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

2022– Research Assistant
The Climate Repository Project · Sant’Anna School of Advanced Studies, Italy

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

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

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)

University of Pisa, Italy

M.Sc. in Computer Science → 2020–2022 · Master of Science in Computer Science (“Data Science and Business Informatics”, LM-18) · Final grade: 110/110 cum laude (highest honors) · Graduated in 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

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

RESEARCH & PUBLICATIONS

*: equal contribution; ✉: correspondence

<i>Published papers</i>	<ol style="list-style-type: none"> ESPOSITO, C.*, GORTAN, M.*, TESTA, L.*✉, CHIAROMONTE, F.✉, FAGIOLO, G., MINA, A., ROSSETTI, G. · <i>Venture capital investments through the lens of network and functional data analysis</i> · Applied Network Science 7, 42 (2022) BOSCHI, T., DI IORIO, J., TESTA, L., CREMONA, M. A.✉, CHIAROMONTE, F.✉ · <i>Functional data analysis characterizes the shapes of the first COVID-19 epidemic wave in Italy</i> · Scientific Reports 11, 17054 (2021)
<i>Book chapters & Conference proceedings</i>	<ol style="list-style-type: none"> ESPOSITO, C.*, GORTAN, M.*, TESTA, L.*✉, CHIAROMONTE, F., FAGIOLO, G., MINA, A., ROSSETTI, G. · <i>Can you always reap what you sow? Network and functional data analysis of venture capital investments in health-tech companies</i> · Proceedings of the 10th International Conference on Complex Networks and Their Applications (2021) PAPA, S., ROSI, B., TESTA, L.✉, VASELLI, F., ROSSETTI, G. · <i>Inequality in the menu: how a network of restaurants characterizes social disparities in Boston</i> · Book of Abstracts of the 10th International Conference on Complex Networks and Their Applications (2021)
<i>Submitted and Working papers</i>	<ol style="list-style-type: none"> BOSCHI, T.*, DI IORIO, J.*, TESTA, L.*, CREMONA, M. A., CHIAROMONTE, F. · Shapes in the mirror: contrasting waves of COVID-19 epidemics through Functional Data Analysis TESTA, L., CHIAROMONTE, F., MINA, A. · The DNA of science: network analysis of publications in genomics · Sant’Anna Colloquium Paper (2021)

TALKS

<i>July 2022</i>	Functional feature selection in function-on-function regression models · University of Pisa, Italy
<i>April 2022</i>	Trajectories towards success: characterizing venture capital investment networks · ICHEC Brussels Management School, Belgium
<i>December 2021</i>	An evolving science: network perspectives from genomics · Sant’Anna School of Advanced Studies, Italy
<i>May 2019</i>	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>	<p>→ 2020–2022 · Honors students’ representative in the Board of the Social Sciences academic class · Sant’Anna School of Advanced Studies</p> <p>→ 2020–2021 · Member of honors students’ financial statement Committee · Sant’Anna School of Advanced Studies</p> <p>→ 2018–2020 · Member of honors students’ public relations Committee · Sant’Anna School of Advanced Studies</p>