

Lorenzo Testa

Thursday 24th November, 2022

PERSONAL INFORMATION

Date of birth September, 6th 1998
Address Via Röntgen 1, Milan, Italy
E-mail l.testa@sssup.it
Website testalorenzo.github.io
Orcid [0000-0003-2782-4846](https://orcid.org/0000-0003-2782-4846)

RESEARCH INTERESTS

High-dimensional statistics; optimal prediction theory; statistical stability; functional data and network analysis

EDUCATION

<p><i>M.Phil. in Statistics and Computer Science</i></p>	<p>2022– Bocconi University, Italy</p> <p>Master of Philosophy (first year Ph.D. courses) in “Statistics and Computer Science” · Expected graduation: June 2023</p>
<p><i>Master Diploma in Economics</i></p> <p><i>Diploma in Economics</i></p>	<p>Sant’Anna School of Advanced Studies, Italy</p> <p>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</p> <p>→ 2020– · Master Diploma in “Economics” · GPA: 29.5/30 · Expected graduation: March 2023</p> <p>→ 2017–2021 · Diploma in “Economics” · Final grade: 100/100 cum laude (highest honors)</p>
<p><i>M.Sc. in Data Science</i></p> <p><i>B.Sc. in Economics</i></p>	<p>University of Pisa, Italy</p> <p>→ 2020–2022 · Master of Science in Data Science (“Data Science and Business Informatics”, LM-18) · Final grade: 110/110 cum laude (highest honors)</p> <p>→ 2017–2020 · Bachelor degree in Economics (“Economia e Commercio”, L-33) · Final grade: 110/110 cum laude (highest honors) and special mention · Graduated in February 2020, one semester ahead of the standard term</p>
<p><i>High School Diploma</i></p>	<p>2012–2017 Liceo Scientifico Filippo Lussana, Italy</p> <p>Final grade: 100/100</p>

RESEARCH & PUBLICATIONS

*: equal contribution; ✉: correspondence

- | | |
|--|---|
| <p><i>Published papers</i></p> | <ol style="list-style-type: none"> 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) 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) |
| <p><i>Book chapters & Conference proceedings</i></p> | <ol style="list-style-type: none"> 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 10th International Conference on Complex Networks and Their Applications (2021) 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 10th International Conference on Complex Networks and Their Applications (2021) |

Preprints & Working papers

5. BOSCHI, T., TESTA, L., REIMHERR, M., CHIAROMONTE, F. · FASTEN: an efficient adaptive method for feature selection and estimation in high-dimensional functional regressions · Submitted (2022+)
6. BOSCHI, T.*, DI IORIO, J.*, TESTA, L.*, CREMONA, M. A., CHIAROMONTE, F. · Contrasting pre-vaccine COVID-19 waves in Italy through Functional Data Analysis · In submission (2022+)
7. GORTAN, M., TESTA, L., FAGIOLO, G., LAMPERTI, F. · A unified repository for pre-processed climate data weighted by regionally-based economic activity · In submission (2022+)
8. TESTA, L., CHIAROMONTE, F., MINA, A. · The DNA of science: network analysis of publications in genomics · Sant'Anna Colloquium Paper (2021)

VISITING PERIODS

Visiting Scholar	2021	Penn State University, United States
	Visiting Scholar, Department of Statistics, Eberly College of Science, The Pennsylvania State University	
Erasmus Program	2019	University of Galway, Ireland
	Exchange student, Department of Business and Economics, University of Galway	
High School Exchange Program	2016	Urrbrae High School, South Australia
	Exchange student for one academic semester · Recognition of “academic excellence”	
SUMMER SCHOOLS		
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	
Data Science Summer School	2019	Data Science Summer School, Italy

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	
2020–2021	Data Analyst
Tuscany Regional Medical Service, USL Toscana Nord-Ovest, Italy · Analysis of COVID-19 textual data	

TALKS & POSTERS

March 2023 (exp.) · Surprises in feature selection via linear interpolators · Sant'Anna School of Advanced Studies, Italy · Dissertation

December 2022 (exp.) · FASStEN: efficient feature selection and estimation in functional regressions · IMS International Conference on Statistics and Data Science (ICSDDS), Florence, Italy · Poster

July 2022 · Functional feature selection in function-on-function regression models · University of Pisa, Italy · Dissertation

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

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

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

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

OTHER INFORMATION

<i>Programming Languages</i>	AMPL · C · Julia · L ^A T _E X · 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>