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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Website	testalorenzo.github.io
Orcid	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 10th 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 10th 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

Resting papers

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

Programming Languages

AMPL · C · Julia · LATEX · MatLab · Python · R · SQL

Spoken Languages

ITALIAN (Native) · ENGLISH (TOEFL score 108/120: CEFR C1) · SPANISH (exp. B1) · FRENCH (exp. B1)

Memberships

American Statistical Association · Institute of Mathematical Statistics · Royal Statistical Society

Service

→ *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