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## Learning under constraints: inference, selection and validation with maximum entropy models

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# Acknowledgements

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# Curriculum Vitae

Francesca Giuffrida was born in Rome, Italy, on August 28, 1995. She attended the Liceo Scientifico Taletè in Rome. In 2014, she enrolled in the Bachelor's degree programme in Physics at Sapienza University of Rome, where she graduated *cum laude* in 2017. She subsequently continued her studies at the same institution in Theoretical Physics, with a focus on Statistical Physics, obtaining her Master's degree *cum laude* in 2020. During the final months of her Master's, she became interested in Complex Systems and Network Science. Her Master's thesis, written under the supervision of Prof. Andrea Gabrielli and Prof. Giulio Cimini, focused on the introduction of link-to-link interactions in heterogeneous random graphs.

In November 2020, she began her PhD in Systems Science at the IMT School for Advanced Studies Lucca, within the ENBA track (Economics, Networks and Business Analytics), under the supervision of Prof. Diego Garlaschelli. During the first year of the PhD program, she completed coursework in econometrics, game theory, microeconomics, complex systems, and network science.

In November 2022, she became a PhD candidate at the LION Institute of Leiden University within a joint supervision agreement with IMT Lucca, under the supervision of Prof. Diego Garlaschelli and Prof. Peter Grünwald. She spent one year in Leiden and subsequently moved back to Lucca, while carrying out repeated research visits to Leiden University and to the Centrum Wiskunde & Informatica (CWI) in Amsterdam. In November 2024, she was awarded a one-year research fellowship at the University of Palermo, under the scientific supervision of Prof. Rosario N. Mantegna, which concluded in November 2025. She currently lives in Monza, Italy.