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Education

- Oct 2017 – **PhD in Statistics**, *University of Oxford*
Jun 2022 Oxford-Warwick Statistical Programme
- Sep 2015 – **MSc in Stochastics and Data Science**, *University of Turin, Italy*
Jul 2017 Final grade: 110/110 *cum laude*
- Sep 2012 – **Allievi Honors Program**, *Collegio Carlo Alberto, Moncalieri, Italy*
Jul 2017 Diploma in Economics *with distinction* and MA in Statistics and Applied Mathematics *with distinction*
- Sep 2012 – **BSc in Mathematics**, *University of Turin, Italy*
Oct 2015 Final grade: 110/110 *cum laude*
- Sep 2007– **High School (with emphasis on Humanities)**, *"V. Alfieri", Turin, Italy*
Jul 2012 Final grade: 98/100

Work experience

- May 2024 – **Assistant Professor (tenure-track)**, *Università di Roma "La Sapienza", Rome, Italy*
present Department of Methods and Models for Economics, Territory and Finance
- 2024 – **Affiliate to the Data Science Institute and the Grantham Institute on Climate Change and the Environment**, *London School of Economics, London, UK*
present
- Jul 2022 – **Assistant Professor (tenure-track)**, *London School of Economics and Political Science, London, UK*
May 2024 Department of Statistics
- Apr – Jun **Researcher**, *University of Oxford, Oxford, UK*
2022 Part-time researcher for the MPLS division on ED&I topics related to admission data.
- Jul – Oct **Intern at J.P. Morgan Chase**, *London, UK*
2021 Associate Quantitative Researcher with expertise in applied ML/AI, trading team
- Mar – May **Visiting researcher at IDSIA**, *Lugano, Switzerland*
2021 Working with Dr Marco Scutari on fair ML models
- Winter 2020 **Visiting student at Duke University**, *Durham, North Carolina (USA)*

Teaching and supervision experience

Teaching

- AY 2023/24 **Lecturer, Deep Learning ST456**, *graduate. Department of Statistics, LSE*
- AY 2023/24 **Lecturer, Foundations of Machine Learning ST510**, *PhD. Department of Statistics, LSE (2 hours, Deep Learning lecture)*
- AY 2022/23 **Teaching Assistant, Deep Learning ST456**, *graduate. Department of Statistics, LSE*

- AY 2022/23 **Teaching Assistant, Artificial Intelligence ST449**, graduate. *Department of Statistics, LSE*
- 2018 – 2021 **Teaching Assistant, Applied Statistics**, *Department of Statistics, University of Oxford*
- 2019 **Tutor, Preliminary of Statistics and Data Science, Applied Statistics**, *Hertford College and Exeter College, University of Oxford*
- [Supervision](#)
- AY 2023/24 **Capstone Project ST498**, *MSc Data Science. Department of Statistics, LSE*
Supervision of a group of four students, in collaboration with KPMG
- AY 2023/24 **MSc thesis supervision**, *MSc Statistics. Department of Statistics, LSE*
joint with Dr K. Kalogeropoulos and Dr S. Geneletti
- AY **PhD supervision**, *Department of Statistics, LSE*
2023-2024 Second supervisor of Xianghe Zhu, first Prof. Q. Yao
- AY 2022/23 **Capstone Project ST498**, *MSc Data Science. Department of Statistics, LSE*
Supervision of a group of four students, in collaboration with Deutsche Bank

Research production

[Publications and preprints](#)

- 2023 **On sparsity, power-law and clustering properties of graphex processes**
F. Caron, F. Panero, J. Rousseau. *Advances in Applied Probability*, 1-43
- 2022 **Achieving fairness with a simple ridge penalty**
M. Scutari, F. Panero, M. Proissl. *Statistics and Computing* 32, 77
- 2021 **Bayesian nonparametric disclosure risk assessment**
S. Favaro, F. Panero, T. Rigon. *Electron. J. Statist.* 15(2): 5626-5651
- 2021 **Optimal disclosure risk assessment**
F. Camerlenghi, S. Favaro, Z. Naulet, F. Panero. *The Annals of Statistics*, 49.2: 723-744
(All the authors contributed equally to the paper)

[Refereed conference proceedings, discussions](#)

- 2023 **A discussion on Evaluating Sensitivity to the Stick-Breaking Prior in Bayesian Nonparametrics**, by R. Giordano, R. Liu, M. I. Jordan, T. Broderick
X. Miskouridou, F. Panero. *Bayesian Analysis*
- 2019 **Issues with Nonparametric Disclosure Risk Assessment**
F. Camerlenghi, S. Favaro, Z. Naulet, F. Panero. *Book of short papers SIS 2019*

[Working papers](#)

Sparse spatial random graphs

F. Panero, F. Caron, J. Rousseau

Dynamic communities in sparse networks

X. Miskouridou, F. Panero

Forecasting food insecurities with Gaussian Processes

S. Ishida, G. Martini, F. Panero

Evaluating uncertainty in fair GLM

F. Panero, M. Scutari, E. Witt

Talks and posters

- May 2024 **University of Southampton Statistical Sciences Research Institute**, *seminar*
Modeling sparse networks with Bayesian Nonparametrics
- Apr 2024 **Department of Statistics, University of Oxford**, *seminar*
Modeling sparse networks with Bayesian Nonparametrics
- Dec 2023 **ICSIDS 2023, Lisbon**, *contributed session*
Achieving fairness with a simple ridge penalty
- Nov 2023 **School of Mathematics, University of Edinburgh**, *seminar*
Sparse spatial random graphs
- Nov 2023 **World Food Programme, Rome**, *seminar*
Forecasting food insecurities with Gaussian Processes
- Oct 2023 **Department of Statistics, University College London**, *reading group*
Achieving fairness with a simple ridge penalty
- Sep 2023 **Cladag 2023, Salerno**, *invited session*
Sparse spatial random graphs
- Jun 2023 **Department of Mathematics and Statistics, Lancaster University**, *reading group*
Sparse spatial random graphs
- Jun 2023 **Statistics Research Showcase, LSE**, *seminar*
Sparse networks with Bayesian nonparametrics
- May 2023 **Department of Statistics, Università degli Studi di Padova**, *seminar*
Achieving fairness with a simple ridge penalty
- Mar 2023 **King's College London**, *seminar*
Sparse spatial random graphs
- Dec 2022 **CMStatistics**, *invited session*
Sparse spatial random graphs
- Dec 2022 **Department of Statistics, University of Oxford**, *seminar*
Achieving fairness with a simple ridge penalty
- Nov 2022 **QuantumBlack, McKinsey**, *seminar*
Achieving fairness with a simple ridge penalty
- Jun 2022 **ISBA World Meeting**, *poster*
Bayesian nonparametric disclosure risk assessment
- Apr 2022 **BNP networking event**, *contributed session*
Bayesian nonparametric disclosure risk assessment
- Dec 2021 **Department of Statistics, London School of Economics**, *seminar*
Sparse spatial random graphs
- Jul 2021 **ISBA World Meeting**, *contributed session*
Sparse spatial random graphs
- Jun 2021 **Department of CS, University of the Italian Switzerland, Lugano**, *seminar*
Sparse spatial random graphs
- Apr 2021 **Young Statisticians Europe (YSE)**, *seminar*
Sparse spatial random graphs
- Mar 2021 **School of Mathematical Sciences, University of Nottingham**, *seminar*
Sparse spatial random graphs

- Dec 2020 **CMStatistics**, *contributed session*
Sparse spatial random graphs
- Aug 2020 **Duke Graduate Summer Talks**
Sparse spatial random graphs
- Dec 2019 **CMStatistics**, *invited session*
Optimal disclosure risk assessment
- Jul 2019 **Bocconi Summer School in Advanced Statistics and Probability, Como**, *poster*
Sparse spatial random graphs
- Jun 2019 **Bayesian Nonparametrics 2019, Oxford**, *poster*
Sparse spatial random graphs
- Jun 2019 **Italian Statistical Society 2019, Milan**, *invited session*
Optimal disclosure risk assessment
- Mar 2019 **Workshop on Machine Learning, Amazon Development Centre Germany**, *poster*
Sparse spatial random graphs
- Jun 2018 **ISBA World Meeting, Edinburgh**, *poster*
Optimal disclosure risk assessment

Awards

- Jul 2024 **Travel grant**, *International Society of Bayesian Analysis, Venice*
- Jun 2024 **Travel grant**, *ISBA satellite workshop, Lugano*
- Apr 2023 – **Research and Impact Support Fund, LSE**, Principal investigator of the project “Forecasting food insecurities with Gaussian Processes” (£20000). In collaboration with the United Nation World Food Programme.
- Apr 2024
- Jun 2022 **Best Poster**, *ISBA 2022*
- Jun 2022 **Travel grant**, *International Society of Bayesian Analysis, Montreal*
- Apr 2022 **Travel grant**, *Bayesian Nonparametrics Networking Event, Nicosia*
- Jul 2021 **Best Student/Postdoc Contributed Paper Award**, *ISBA 2021*
- Sep 2017 – **EPSRC full scholarship (4 years)**
present Scholarship covering salary, university fees and college fees for the entire length of the PhD.
- Sep 2012 – **Allievi Honors Program full scholarship, Collegio Carlo Alberto, Moncalieri, Italy**
Jul 2017 Scholarship covering university fees.

Service to profession

Organisation

- 2022 – 2024 Co-organiser of Data Science Seminars, Department of Statistics, LSE.
- 2022 – 2024 Co-organiser of Women in Statistics, Department of Statistics, LSE.
- 2018 – 2022 Committee member of ED&I discussion group in the Department of Statistics, Oxford (2020-22). Co-organizer of the Oxford R Users Group (2018-19).

Referee service

Artificial Intelligence and Statistics Conference. Bayesian Analysis. Electronic Journal of Statistics. Fairness, Accountability, and Transparency Conference. Statistical Science.

Public engagement

- Mar 2022 **Organiser and moderator of the EquiStats event “Oxford women in Machine Learning”, University of Oxford**
- Jun 2021 **Organiser and co-speaker of the EquiStats event “Fairness in ML”, University of Oxford**
- 2018 – 2019 **Co-organiser R Users Group, Oxford**
- Jun 2018 **Oxford Maths Festival, Department of Mathematics, University of Oxford**

Skills

Languages

- Italian** Native speaker
- English** Fluent
- French** Intermediate
- Spanish** Beginner

Computer skills

Advanced: R, Python (NumPy, SciPy, Pandas, TensorFlow, Keras), \LaTeX
 Intermediate: GitHub, MATLAB, Microsoft Windows and Office (ECDL)
 Basic: HTML, SAS, SQL, C++, CUDA

Summer schools and workshops

- Nov 2021 **The Oxford Strategy Challenge, University of Oxford**
 Consultancy challenge, working with a team on a start-up marketing and strategy project
- May – Jun 2021 **SeedWISE, University of Oxford**
 Enterprise programme for women doing a PhD in STEM
- Jul 2019 **Bocconi Summer School in Advanced Statistics and Probability, Como, Italy**
 Random Graphs and Complex Networks: Structure and Function. Prof. R. van der Hofstad (Eindhoven University of Technology, NL), Prof. S. Bhamidi (University of North Carolina, USA)
- Aug 2016 **Summer school “Applied Bayesian Statistics”, Como, Italy**
 Bayes, Big Data, and the Internet.