

CONTACT INFORMATION	<p>Vrije Universiteit Amsterdam School of Business and Economics Department of Econometrics and Data Science De Boelelaan 1105 1081 HV Amsterdam, The Netherlands</p> <p>Date of birth: 30/01/1989 Citizenship: Italian</p> <p>Tensor calculus - Bayesian statistics - High dimensional data - Econometrics - Functional data analysis - Nonparametric statistics - Copula models - Graphical models.</p>	<p>✉: matte.iaco@gmail.com  matteoiacopini1 web : https://matteoiacopini.github.io  orcid.org/0000-0002-3551-4891  www.researchgate.net  scholar.google.it</p>
POSITIONS	<p>- September 2022 – present Lecturer in Statistics. Queen Mary University of London, School of Mathematical Sciences, United Kingdom.</p> <p>- October 2020 – August 2022 Research Fellow (Marie Skłodowska-Curie fellowship). Vrije Universiteit Amsterdam, Department of Econometrics and Data Science, The Netherlands.</p> <p>- April 2019 – March 2020 Research Fellow. Scuola Normale Superiore of Pisa, Italy.</p> <p>- July 2018 – March 2019 Research Fellow. Ca' Foscari University of Venice, Department of Economics, Venice, Italy.</p> <p>Others</p> <p>- September 2018 – present “Cultore della materia” in Econometrics. Ca' Foscari University of Venice, Venice, Italy.</p> <p>- May 2018 – present Member of Science of Complexity Team. Ca' Foscari University of Venice, Venice, Italy.</p>	
EDUCATION	<p>September 2014 – July 2018 Ph.D. in Economics. Ca' Foscari University of Venice, Department of Economics, Venice, Italy. Ph.D. in Applied Mathematics. Université Paris I - Panthéon-Sorbonne, Centre d'Économie de la Sorbonne, Paris, France.</p> <ul style="list-style-type: none"> • Thesis: <i>Essays on the Econometric modelling of Temporal Networks</i> • Supervisors: prof. Monica Billio, prof. Dominique Guégan, prof. Roberto Casarin <p>September 2011 – July 2014 M.Sc. in Economics. Department of Economics and Management, University of Pisa and Sant'Anna School of Advanced Studies of Pisa, Pisa, Italy</p> <ul style="list-style-type: none"> • Thesis: <i>Aggregate Fluctuations in a Sectoral Economy: A Network Approach</i> • Supervisor: prof. Davide Fiaschi <p>September 2008 – July 2011 B.S. in Business Administration. University of Pisa, Department of Economics and Management, Pisa, Italy</p> <ul style="list-style-type: none"> • Thesis: <i>The Long Slump and the Real Interest rate: the thesis of Robert Hall</i> • Supervisor: prof. Enrico Ghiani 	
PUBLICATIONS	<p>Published</p> <p>16. Billio, M., Casarin, R. and <i>Iacopini, M.</i>, (2022), “Bayesian Markov switching tensor regression for time-varying networks”, <i>Journal of the American Statistical Association (forthcoming)</i>, (article)</p>	

15. Billio, M., Casarin, R., Iacopini, M. and Kaufmann, S. (2022), “Bayesian dynamic tensor regression”, *Journal of Business and Economic Statistics* (forthcoming), ([article](#))
14. Iacopini, M., Ravazzolo, F. and Rossini, L. (2022), “Proper scoring rules for evaluating density forecasts with asymmetric loss functions”, *Journal of Business and Economic Statistics* (forthcoming), ([article](#))
13. Billio, M., Casarin, R., Costola, M. and Iacopini, M. (2021), “Matrix-variate Smooth Transition Models for Temporal Networks”, in Arashi, M., Bekker, A., Che, D., and Ferreira, J., *Innovations in Multivariate Statistical Modeling: navigating theoretical and multidisciplinary domains*, chapter XX, pages XX, Springer Emerging Topics in Statistics and Biostatistics. (forthcoming)
12. Billio, M., Casarin, R., Costola, M. and Iacopini, M. (2021), “COVID-19 spreading in financial networks: A semiparametric matrix regression model”, *Econometrics and Statistics* (forthcoming), ([article](#))
11. Costola, M., Iacopini, M. and Santagiustina, C.R.M.A. (2021), “On the “mementum” of meme stocks”, *Economics Letters*, 207, 110021, ([article](#))
10. Billio, M., Casarin, R., Costola, M. and Iacopini, M. (2021), “A matrix-variate t model for networks”, *Frontiers in Artificial Intelligence* 4, 49, ([article](#))
9. Iacopini, M. and Santagiustina, C.R.M.A. (2021), “Filtering the intensity of public concern from social media count data with jumps”, *Journal of the Royal Statistical Society: Series A*, 184:1283–1302, ([article](#))
8. Costola, M., Iacopini, M. and Santagiustina, C. (2020), “Google search volumes and the financial markets during the COVID-19 outbreak”, *Finance Research Letters*, 42:101884, ([article](#))
7. Iacopini, M., Ravazzolo, F. and Rossini, L. (2020), “A discussion on: On a Class of Objective Priors from Scoring Rules by F. Leisen, C. Villa and S. G. Walker”, *Bayesian Analysis*, 15(4):1392–1393.
6. Casarin, R., Iacopini, M., Molina, G., ter Horst, E., Espinasa, R., Sucre, C. and Rigobon, R. (2020), “Multilayer network analysis of oil linkages”, *The Econometrics Journal*, utaa003, ([article](#))
5. Iacopini, M. and Tonellato, S. (2018), “A discussion on: Using stacking to average Bayesian predictive distributions by Y. Yao, A. Vehtari, D. Simpson and A. Gelman”, *Bayesian Analysis*, 13(3):994–996.
4. Billio, M., Casarin, R. and Iacopini, M., (2018), “Bayesian tensor regression models”, In *Mathematical and Statistical Methods for Actuarial Sciences and Finance. MAF 2018*. Eds. Corazza, M., Durbán, M., Grané, A., Perna, C., Sibillo, M., Springer, 149–153.
3. Billio, M., Casarin, R. and Iacopini, M., (2018), “Bayesian tensor binary regression”, In *Mathematical and Statistical Methods for Actuarial Sciences and Finance. MAF 2018*. Eds. Corazza, M., Durbán, M., Grané, A., Perna, C., Sibillo, M., Springer, 143–147.
2. Casarin, R., Iacopini, M. and Rossini, L., (2017), “A discussion on: Sparse graphs using exchangeable random measures by F. Caron and E. B. Fox”, *Journal of the Royal Statistical Society: Series B*, 79(5):51–53.
1. Billio, M., Casarin, R. and Iacopini, M., (2017), “Bayesian tensor regression models”, In *Proceedings of the Conference of the Italian Statistical Society. Statistics and Data Science: new challenges, new generations*. Eds. Alessandra Petrucci and Rosanna Verde, Firenze University Press, 179–186.

Manuscripts Submitted and under Review

2. Bianchi, D., Iacopini, M. and Rossini, L. (20XX), “Stablecoins and Cryptocurrency Returns: Evidence from large Bayesian VARs”. Available at SSRN: <https://dx.doi.org/10.2139/ssrn.3605451> (*under review*)
1. Santagiustina, C.R.M.A. and Iacopini, M. (20XX), “Visualizing and comparing distributions with half-disk density strips” (*submitted*)

Working Papers

2. Iacopini, M. and Rossini, L. (2019), “Bayesian nonparametric graphical models for time-varying parameters VAR”, arXiv preprint 1906.02140

1. Guégan, D. and *Iacopini, M.* (2018), “Nonparametric forecasting of multivariate probability density functions”, *arXiv preprint 1803.06823*

Others

1. *Iacopini, M.*, (2016), “Basics of optimization theory with applications in MATLAB and R”, Quaderni di didattica, Department of Economics, Ca’ Foscari University of Venice.

VISITING PERIODS

- ▶ Paris Lodron University of Salzburg, Department of Economics, Austria (7-8 June 2022)
- ▶ Polytechnic University of Milan, Department of Mathematics, Italy (8-12 November 2021)
- ▶ University of Milan, Department of Economics, Management, and Quantitative Methods, Italy (11-15 October 2021)
- ▶ Palacky University in Olomuc, Department of Mathematical Analysis and Applications of Mathematics, Czech Republic (29 October - 2 November 2019)
- ▶ Polytechnic University of Milan, Department of Mathematics, Italy (6-10 May 2019)
- ▶ Vrije University of Amsterdam, Department of Econometrics and Operations Research, The Netherlands (19-23 March 2019)
- ▶ Vrije University of Amsterdam, Department of Econometrics and Operations Research, The Netherlands (28-31 January 2019)
- ▶ University of Pavia, Department of Mathematics, Italy (9-13 April 2018)
- ▶ Université Paris I - Panthéon-Sorbonne, France (September 2016 - June 2017)

PRESENTATIONS **Invited Presentations and Seminars**

- Invited Speaker at “Bayesian Nonparametrics Networking workshop”, Nicosia, Cyprus (25-29 April 2022)
- Seminar at Department of Economics, Ca’ Foscari University of Venice, Italy (2 February 2022)
- Seminar at Department of Mathematical Analysis and Applications of Mathematics, Palacky University in Olomuc, Czech Republic (1 November 2019)
- Seminar at School of Business and Economics, University of Maastricht, The Netherlands (26 April 2019)
- Seminar at Department of Econometrics and Operations Research, Vrije Universiteit Amsterdam, The Netherlands (21 March 2019).
- Seminar at School of Business and Economics, University of Maastricht, The Netherlands (22 January 2019)
- Seminar at Department of Mathematics, Polytechnic University of Milan, Italy (8 November 2018)

Contributed Presentations

- [5th Workshop on High-Dimensional Time Series in Macroeconomics and Finance](#). Wien, Austria (June 9-10, 2022)
- [3rd IWEEE - International Workshop on Econometrics and Empirical Economics](#). Rimini, Italy (January 20-21, 2022)
- [CFENetwork - International Conference on Computational and Financial Econometrics](#). London, United Kingdom (December 18-20, 2021)
- [4th Annual Workshop on Financial Econometrics](#). Örebro, Sweden (November 15-16, 2021)
- [11th ESOBE - European Seminar on Bayesian Econometrics Annual Workshop](#). Madrid, Spain (September 2-3, 2021)
- [IAAE 2021 - Annual Conference of the International Association of Applied Econometrics](#). Rotterdam, The Netherlands (June 22-25, 2021)
- [BISP-12 - 12th Workshop on Bayesian Inference in Stochastic Processes](#). Milan, Italy (May 27-28, 2021)
- [Dynamic Econometrics Conference](#). Virtual (March 18-19, 2021)
- [11th EC² Conference on Big Data Econometrics with Applications](#). Paris, France (December 11-12, 2020)
- [Annual Meeting of the Econometrics Society](#). Milan, Italy (August 17-21, 2020)
- [2nd IWEEE - International Workshop on Econometrics and Empirical Economics](#). Venice, Italy (January 23-24, 2020)
- [8th CoDaWork - International Workshop on Compositional Data Analysis](#). Terrassa, Spain (June 4-7, 2019)
- [4th Workshop on High-Dimensional Time Series in Macroeconomics and Finance](#). Wien, Austria (May 16-17, 2019)

- ICEEE 2019 - 8th Italian Congress of Econometrics and Empirical Economics. Lecce, Italy (January 24-26, 2019)
- 12th CFENetwork International Conference on Computational and Financial Econometrics. Pisa, Italy (December 14-16, 2018)
- 9th EC² Conference on Big Data Econometrics with Applications. Rome, Italy (December 13-14, 2018)
- 6th SiDE Workshop for PhD students in Econometrics and Empirical Economics (WEEE). Perugia, Italy (August 23-24, 2018)
- 49th SIS - Scientific meeting of the Italian Statistical Society. Palermo, Italy (June 20-22, 2018)
- 12th Annual RCEA Bayesian Workshop. Rimini, Italy (June 14-15, 2018)
- 1st QFFE - International Conference on Quantitative Finance and Financial Econometrics. Marseille, France (May 30 - June 1, 2018)
- 8th MAF - International Conference on Mathematical and Statistical Methods for Actuarial Sciences and Finance. Madrid, Spain (April 4-6, 2018)
- 11th CFENetwork International Conference on Computational and Financial Econometrics. London, United Kingdom (December 16-18, 2017)
- 8th ESOBE - European Seminar on Bayesian Econometrics Annual Workshop. Maastricht, The Netherlands (October 26-27, 2017)
- 41st AMASES Annual Meeting. Cagliari, Italy (September 14-16, 2017)
- 1st EcoSta - International Conference on Econometrics and Statistics. Hong Kong, Hong Kong (June 15-17, 2017)
- 3rd Workshop on High-Dimensional Time Series in Macroeconomics and Finance. Wien, Austria (June 8-9, 2017)
- ICEEE 2017 - 7th Italian Congress of Econometrics and Empirical Economics. Messina, Italy (January 25-27, 2017)
- 10th CFENetwork International Conference on Computational and Financial Econometrics. Seville, Spain (December 9-11, 2016)
- 22nd COMPSTAT International Conference on Computational Statistics. Oviedo, Spain (August 23-26, 2016)

Poster Presentations

- BNP 12 - 12th Conference on Bayesian Nonparametrics. Oxford, United Kingdom (June 24-28, 2019)
- High Dimensional Small Data Workshop. Venice, Italy (October 19-20, 2018)
- 4th BAYSM - Bayesian Young Statisticians Meeting. Warwick, United Kingdom (July 2-3, 2018)
- ISBA 2018 World Meeting. Edinburgh, United Kingdom (June 24-29, 2018)
- BNP 11 - 11th Conference on Bayesian Nonparametrics. Paris, France (June 26-30, 2017)
- BISP-10 - 10th Workshop on Bayesian Inference in Stochastic Processes. Milan, Italy (June 13-15, 2017)
- 7th ESOBE - European Seminar on Bayesian Econometrics Annual Workshop. Venice, Italy (October 27-28, 2016)

CONFERENCES AND SCHOOLS ATTENDED

Conferences

- ITASEC17 - Italian Conference on Cybersecurity. Venice, Italy (January 17-20, 2017)
- Workshop on Forecasting in Finance and Macroeconomics. Bozen, Italy (September 12, 2016)
- A conference in honour of Eugenio Regazzini. University of Pavia, Italy (June 10-11, 2016)
- 15th CREDIT. Venice, Italy (October 1-2, 2015)
- IWcee14 - International Workshop on Computational Economics and Econometrics. Rome, Italy (June 26-27, 2014)

Schools and Advanced Courses

- CIRM Research School “Masterclass in Bayesian Statistics”. Marseille Luminy, France (22-26 October, 2018)
- SiDE Econometrics Summer School on “Recent Developments in Financial Econometrics”. Perugia, Italy (23-27 July, 2018)
- 37th Finnish Summer School on Probability and Statistics. Lammi, Finland (May 30 - June 3, 2016)
- Postgraduate Course on “Data Analysis and Programming with R”. Bozen, Italy (November 18-20, 2015)
- Postgraduate Course on “Bayesian Methods in Economics and Finance”. Perugia, Italy (September 7-11, 2015)
- SiDE Econometrics Summer School on “Big Data and High-Dimensional Econometric models”. Perugia,

	<p>Italy (June 29 - July 3, 2015)</p> <ul style="list-style-type: none"> • SIde Econometrics Summer School on “The Econometrics of Systemic Risk and Tail Correlations”. Perugia, Italy (July 14-19, 2014)
TEACHING EXPERIENCE	<p>Academic year 2021/2022 Italian Econometric Society (SIde)</p> <ul style="list-style-type: none"> • Teacher – Summer School in Network Econometrics (Graduate – English) <p>Academic year 2020/2021 Italian Econometric Society (SIde)</p> <ul style="list-style-type: none"> • Teacher – Summer School in Network Econometrics (Graduate – English) <p>Academic year 2019/2020</p> <p>Ca’ Foscari University of Venice, Department of Economics</p> <ul style="list-style-type: none"> • Teacher – Mathematics pre-course (Graduate Course - “<i>Master II livello</i>” – English). <p>Academic year 2018/2019</p> <p>Ca’ Foscari University of Venice, Department of Economics</p> <ul style="list-style-type: none"> • Teacher – Mathematics pre-course (Graduate Course - “<i>Master II livello</i>” – English). • Tutor – Optimization (Graduate Course - PhD and Master – English). <p>Academic year 2017/2018</p> <p>Ca’ Foscari University of Venice, Department of Economics</p> <ul style="list-style-type: none"> • Teacher – Introduction to Trigonometry (Undergraduate Course – English). • Teaching Assistant – Mathematics for Economics (Undergraduate Course – Italian). • Teaching Assistant – Statistics (Undergraduate Course – English). • Tutor – Optimization (Graduate Course – English). <p>Academic year 2015/2016</p> <p>Ca’ Foscari University of Venice, Department of Economics</p> <ul style="list-style-type: none"> • Tutor – Econometrics (Graduate Course – English). • Tutor – Econometrics (Undergraduate Course – Italian). • Tutor – Optimization (Graduate Course – English).
SERVICE TO PROFESSION	<p>Scientific and Organising Committee of Scientific Events</p> <ul style="list-style-type: none"> • Workshop “<i>3rd Italian-French Statistics Seminar (IFSS)</i>”. Italy (2020). • Workshop “<i>1st EDEEM Doctoral Summer Workshop in Economics</i>”. Venice, Italy (June 13-14, 2019). • “<i>Reading group on Stochastic Modelling</i>”. Venice, Italy (A.Y. 2018-2019) • Workshop “<i>2nd Italian-French Statistics Seminar (IFSS)</i>”. Grenoble, France (September 6-7, 2018). • Workshop on “<i>Advances in Bayesian modelling</i>”. Venice, Italy (July 5, 2018) • Workshop “<i>1st Italian-French Statistics Seminar (IFSS)</i>”. Venice, Italy (October 16-17, 2017). <p>Organizer of Scientific Events</p> <ul style="list-style-type: none"> • Organizer and chair of the session “<i>Bayesian High-dimensional Sparse Models</i>” at <i>12th Annual RCEA Bayesian Workshop</i>. Rimini, Italy (June 14-15, 2018) • Chair of the session “<i>Network Econometrics</i>” at <i>8th MAF - International Conference on Mathematical and Statistical Methods for Actuarial Sciences and Finance</i>. Madrid, Spain (April 4-6, 2018) <p>Discussant</p> <ul style="list-style-type: none"> • Workshop on Forecasting in Finance and Macroeconomics. Bozen, Italy (September 12, 2016) • European Doctorate in Economics Erasmus Mundus (EDEEM) Summer Meeting. Venice, Italy (July 16-18, 2015)
SCHOLARSHIPS AND GRANTS	<ul style="list-style-type: none"> - Marie Skłodowska-Curie Individual Fellowship financed by the European Commission (October 2020–September 2022) - Research Fellowship financed by INDAM at Scuola Normale Superiore of Pisa (April 2019–March 2020) - Research Fellowship from Ca’ Foscari University of Venice (September 2017–March 2019) - co-editor of the financing proposal (competition won) “Bando Label Scientifico UIF/UFi 2018” from Université Franco-Italienne (2018)

- [Ph.D. scholarship](#) at Ca' Foscari University of Venice financed by the Ministry of Education, University and Research - MIUR (September 2014–August 2017)
 - co-editor of the [financing proposal](#) (competition won) “Bando Visiting Professor UIF 2017” from Université Franco-Italienne (2017)
 - co-editor of the [financing proposal](#) (competition won) “Bando Label Scientifico UIF/UFI 2017” from Université Franco-Italienne (2017)
 - winner of the [grant](#) “Bando Vinci 2016” from Université Franco-Italienne (2016–2017)
 - “Percorso di Eccellenza” scholarship from University of Pisa (2011-2012)
 - “Percorso di Eccellenza” scholarship from University of Pisa (2008-2011)
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MEMBERSHIPS International Society for Bayesian Analysis ([ISBA](#)), Italian Statistical Society ([SIS](#)), Italian Econometric Association ([SIde](#)), Computational and Financial Econometrics ([CFE](#)), The Econometric Society ([ES](#)), Institute of Mathematical Statistics ([IMS](#)), young statistician section of Royal Statistical Society ([YSS](#)), Associazione per la Matematica Applicata alle Scienze Economiche e Sociali ([AMASES](#)).

REFeree ACTIVITY Journal of Business & Economic Statistics, Journal of Econometrics, Bayesian Analysis, International Journal of Forecasting, PLOS One, Statistics and Probability Letters, Computational Statistics and Data Analysis, Journal of Forecasting, Econometrics & Statistics, Journal of Economics and Finance, STAT, Frontiers in Big Data, Journal of Financial Risk and Management, Journal of Financial Stability, Studies in Nonlinear Dynamics & Econometrics.

LANGUAGES & **Languages**

PROGRAMMING SKILLS - *Italian* (Mother Tongue)
 - *English* (Fluent) - certifications: IELTS (C1), GRE
 - *French* (Fluent) - certifications: DELF (B2)
 - *Spanish* (Basic)

Programming Skills

Advanced MATLAB, R, \LaTeX , Microsoft Office
 Basic C++, HTML5, STATA13, Mathematica

REFERENCES **Monica Billio** – *Full Professor*
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