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Professor of Statistics, Université Paris Cité, France
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President *FENStatS* (Federation of European National Statistical Societies) 2026-
Elected Member *ISI*

Past President of *ENBIS* (European Network for Business and Industrial Statistics) 2023-25
President of *ENBIS* 2021-23
President-Elect of *ENBIS* 2019-21
President *ECAS* (European Courses in Advanced Statistics) 2015-17
Vice-President *ECAS* 2017-19
Vice-President *ENBIS* 2015-17
Vice-President *FENStatS* (Federation of European National Statistical Soc.) 2012-17
Council member of the *ISI* (International Statistical Institute) 2015-19
President *SFdS* (Société Française de Statistique) 2011-13

Associate Editor
Advances in Data Analysis and Classification (since 2020)
Journal of Data Science, Statistics, and Visualisation (since 2019)
Journal of Statistical Software (2009-2024)
CSBIGS (2007-19)
Journal de la SFdS (2009-20)

Research interests
Time series forecasting, Tree-based methods, Wavelets, Applied statistics (mainly environment and energy) and Software development

Selected publications

- G. Principato, Y. Amara-Ouali, Y. Goude, B. Hamrouche, J.-M. Poggi, G. Stoltz, *Conformal Prediction for Hierarchical Data*, Trans. on Machine Learning Research (05/2026), 1-39, 2026
- M. Bobbia, J.-M. Poggi, B. Portier, E. Thulliez, *Statistical calibration of NO2 low-cost sensors*, Quality and Reliability Engineering International, 2025; 41:2797–2809
- B. Auder, C. Coron, J.-.M. Poggi, E. Thulliez, *Debiasing physico-chemical models in air quality monitoring by combining different pollutant concentration measurements*, Communications in Statistics: Case Studies, Data Analysis and Applications, 1–26, 2025
- F. Ruggeri, D. Banks, W.S. Cleveland, N.I. Fisher, M. Escobar-Anel, P. Giudici, E. Raffinetti, R.W. Hoerl, D.K.J. Lin, R.S. Kenett, W. Keung Li, P. L.H. Yu, J.-M. Poggi, M. Seabra Reis, G. Saporta, P. Secchi, R. Sen, A. Steland, Z. Zhang, *Is there a future for Stochastic Modelling in Business and Industry in the era of Machine Learning and Artificial Intelligence?* Appl Stochastic Models Bus Ind, 41: e70004. https://doi.org/10.1002/asmb.70004, 50 p., 2025
- E. Thulliez, B. Portier, M. Bobbia, J.-M. Poggi, *A dataset of particulate matters measurements from a network of mobile and fixed sensors and monitoring stations in Rouen (Northwestern France)*, Data in Brief, Volume 59 (2025),111439
- C. Gotwalt, R. Kenett, J.-M. Poggi, *A journey in random forests and penalized regression in an industrial classification problem: How to use models to sharpen your questions*, Quality and Reliability Engineering International 40 (2), 803-818, 2024
- M. Bourel, J. Cugliari, Y. Goude, J.-M. Poggi, *Boosting Diversity in Regression Ensembles*, Stat. Anal. Data Min.: ASA Data Sci. J. (2023), 1-17
- E. Thulliez, M. Bobbia, J-M. Poggi, B. Portier, *Air quality low-cost sensors and monitoring stations NO2 raw dataset in Rouen (France)*, Data in Brief, Vol. 49, 109398, 1-8, 2023
- B. Goehry, H. Yan, Y. Goude, P. Massart, J.-M. Poggi, *Random Forests for Time Series,* REVSTAT-Statistical Journal 21 (2), 283–302, 2023

- M. Bobbia, J.-M. Poggi, B. Portier, *Spatial correction of low-cost sensors observations for fusion of heterogeneous air quality measurements*, Appl Stochastic Models Bus Ind., 38(5), 766-786, 2022
- A. Bar Hen, S. Gey, J.-M. Poggi, *Spatial CART Classification Trees,* Computational Statistics, 2021
- Antoniadis, S. Lambert-Lacroix, J.-M. Poggi, *Random Forests for Global Sensitivity Analysis: a selective review*, Reliability Engineering & System Safety, 1-14, vol. 206, 2021
- Y. Amara-Ouali, Y. Goude, P. Massart, J.-M. Poggi, H. Yan, *A review of electric vehicle load open data and models*, Energies, 14(8), 2233, 1-35, 2021
- E. Devijver, Y. Goude, J-M. Poggi, *Clustering Electricity Consumers using High Dimensional Regression Mixture Models*, Appl Stochastic Models Bus Ind., 36, 159-177, 2020
- B. Goehry, Y. Goude, P. Massart, J-M. Poggi, *Aggregation of Multi-scale Experts for Bottom-up Load Forecasting,* IEEE Transactions on Smart Grid, vol. 11, 3, 1895-1904, 2020
- N. El Haouij, R. Ghozi, J-M. Poggi, S. Sevestre Ghalila, M. Jaïdane, *Self-similarity Analysis of Electrodermal Activity for Stress Level Characterization*, Quality and Reliability Engineering International, 35, 1502-1513, 2019
- N. El Haouij, J.-M. Poggi, R. Ghozi, S. Sevestre Ghalila, M. Jaïdane, *Random Forest-Based Approach for Physiological Functional Variable Selection for Driver's Stress Level Classification*, Statistical Methods & Applications, 1-29, 2018
- J. Cugliari, J.-M. Poggi, *Electricity demand forecasting*, Wiley StatsRef Online, 8 p., 2018
- R. Genuer, J.-M. Poggi, C. Tuleau-Malot, N. Villa-Vialaneix, *Random Forests for Big Data*, Big Data Research, 9, 28-46, 2017
- Bar-Hen, J-M. Poggi, *Influence Measures and Stability for Graphical Models*, Journal of Multivariate Analysis, Vol. 47, 145-154, 2016
- Antoniadis, X. Brossat, J. Cugliari, J.-M. Poggi, *A prediction interval for a function-valued forecast model. Application to load forecasting.* Int. Journal of Forecasting, 32(3), 939–947, 2016
- R. Genuer, J.-M. Poggi, C. Tuleau-Malot, *VSURF: Variable Selection Using Random Forests*, The R Journal, Vol. 7/2, 19-33, 2015
- Bar Hen, S. Gey, J.-M. Poggi, *Influence measures for CART Classification Trees*, Journal of Classification, Volume 32, Issue 1, 21-45, 2015
- M. Bobbia, M. Misiti, Y. Misiti, J.M. Poggi, B. Portier, *Spatial outlier detection in the PM10 monitoring network of Normandy (France)*, Atmospheric Pollution Research, 6, 476-483, 2015
- Antoniadis, X. Brossat, J. Cugliari, J.-M. Poggi, *Functional Clustering using Wavelets,* Int. Journal of Wavelets, Multiresolution and Information Processing, 11(1), 1350003, 30 p., 2013
- M Bobbia, F-X Jollois, J-M Poggi, B Portier, *Quantifying local and background contributions to PM10 concentrations, using random forests*, Environmetrics, 22(6):758–768 2011
- F. Mhamdi, J.-M. Poggi, M. Jaidane, *Trend Extraction for Seasonal Time Series using Ensemble Empirical Mode Decomposition*, Advances in Adaptive Data Analysis, 3(3), 363-383, 2011
- J.-M. Poggi, B. Portier, *PM10 forecasting using clusterwise regression*, Atmospheric Environment, 45 (38), 7005-7014, 2011
- R. Genuer, J.-M. Poggi, C. Tuleau, *Variable selection using Random Forests*, Pattern Recognition Letters, 31(14), p. 2225-2236, 2010
- M. Misiti, Y. Misiti, G. Oppenheim, J.M. Poggi, *Optimized Clusters for Disaggregated Electricity Load Forecasting*, REVSTAT – Statistical Journal, 8(2), 105–124, 2010
- M. Amin Ghafari, N. Chèze, J.M. Poggi, *Multivariate denoising using wavelets and principal components,* Computational Statistics & Data Analysis 50, 2381- 2398, 2006

Books

- A. Antoniadis, J. Cugliari, Y. Goude, M. Fasiolo, J.-M. Poggi, *Statistical Learning Tools for Electricity Load Forecasting*, Springer, Birkhauser, 231 p., 2024
- R. Genuer, J.-M. Poggi, *Random Forests with R,* Use'R!, Springer, 98 p., 2020
- M. Misiti, Y. Misiti, G. Oppenheim, J.M. Poggi, *Wavelets and their applications*, ISTE, 352 p., 2007