

Maria-Pia Victoria- Feser

Professor of Statistics

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Executive Summary (August 2024)

- Employment history** I started my career as a lecturer at the London School of Economics (LSE) in 1993, the year I completed my PhD in econometrics and statistics from the University of Geneva. In 1997, I was hired as lecturer in the Faculty of Psychology and Educational Sciences (FPSE) of the University of Geneva. Between 1997 and 2001, my position has evolved until I became full professor (50%) in 2001 at HEC-Genève and from 2018, and from 2018, I have been given a 100% permanent position at the Geneva School of Economics and Management (GSEM). In November 2023, I have been nominated full professor at the - Dipartimento di Scienze Statistiche "Paolo Fortunati"- of the University of Bologna.
- Awards and grants** I received a total of 3,277,537 CHF of personal research funding (Swiss National Science Foundation (SNSF) and private) for seven projects, and over 2,500,000 CHF of research funding for collaborative projects. I was awarded the Latzis International Prize (1995) for my PhD Thesis, as well as a doctoral (1991) and a professorial (2000) fellowships from the SNSF. In 2012, the later nominated me for membership to AcademiaNet, the Portal to excellent women academics. In 2022, I was nominated elected member of the International Statistical Institute. In 2024, I received, with my co-authors, the JASA reproducibility award.
- Research** My main research interest is statistical methodology and its application in different domains. I started with the development of robust methods of estimation and inference for application in economics (welfare analysis, risk analysis) and psychology (psychometric). I am also interested in computational statistics and have developed estimation methods for complex models (latent dependence structures, missing data), time series (signal processing), and model selection in high dimensions. My publications are often co-authored with former PhD students or with academic researchers in other universities and/or outside the methodological statistics field. I have published in total eight book chapters, five proceedings, one book and forty articles in peer-reviewed journals (30 ranked Q1 in Scimago Journal Ranking), of which eleven are in one of the four mainstream journals in statistics and two in one of the five mainstream journals in economics.
- Teaching and student supervision** I set up, taught or organized more than 20 classes, for students enrolled in different programs, such as bachelor (BA), Master (MA), short courses, summer courses, certificates, executive education, and for students with different backgrounds, such as economics, management, psychology, social sciences, international relations. I have supervised eleven PhD students; for six of them the research outcome has been published in one of the four mainstream journals in statistics, three have professorial positions and two have research positions in renowned universities. I am currently (co-)supervising four PhD students and three postdocs.
- Managerial achievements** I founded two master programs (in statistics and in business analytics), a PhD program (in statistics), and an institute (the Research Centre for Statistics) at the University of Geneva. I led the creation of the GSEM (2012-2013) and became founding dean (2014-2017). During my mandate, I started the accreditation project for the GSEM, the creation of a chair in Business and Human Rights, and led the setting up of a Public-Private Partnership (PPP) to support the Master in Business Analytics.

Employment

Current Position

2023– **Full professor**, *Department of Statistical Sciences “Paolo Fortunati”*, University of Bologna, Italy.

Previous Positions

2014–2024 **Full professor**, *Geneva School of Economics and Management (GSEM)*, University of Geneva, Switzerland.

2001–2013 **Full professor (part-time)**, *HEC-Genève*, University of Geneva, Switzerland.

2000–2005 **Associate professor (part-time)**, *Faculty of Psychology and Educational Sciences*, University of Geneva, Switzerland.

Nontenured position, financed by the Swiss National Science Foundation (SNSF)

2000–2001 **Associate professor (part-time)**, *HEC-Genève*, University of Geneva, Switzerland.
Nontenured position, financed by the SNSF

1997–2000 **Lecturer**, *Faculty of Psychology and Educational Sciences*, University of Geneva, Switzerland.

1993–1996 **Lecturer**, *Statistics Department*, London School of Economics (LSE), UK.

Personal Background

Education

May 1993 **PhD in Econometrics and Statistics**, University of Geneva, Switzerland.

June 1989 **Master in Econometrics**, University of Geneva, Switzerland.

Career/Research Breaks (total of 11.5 EFT years)

2013–2017 Founding dean of the GSEM (with preparation)

2005–2013 Part time position (50%)

2002 Parental leave (6 month), third child (adoption)

1996–1997 Maternity leave (18 months), second child

1994–1995 Maternity leave (18 months), first child

Other

Date of Birth 24 September 1965

Nationality Swiss

Web page <https://www.unibo.it/sitoweb/maria.victoriafeser/>

Fellowships and Awards

2024 **JASA Reproducibility Award**, *Paper: Assessing COVID-19 Prevalence in Austria with Infection Surveys and Case Count Data as Auxiliary Information*, DOI: 10.1080/01621459.2024.2313790, <https://jasa-ac.s.github.io/repro-award/awardees.html>.

2024 **Nominated at the Academy of Sciences of Bologna (“Socio Corrispondente Residente”)**.

2022 **Nominated Elected Member of the International Statistical Institute**.

2012 **Nominated by the Swiss National Science Foundation to AcademiaNet**, <https://www.academia-net.org/profile/maria-pia-victoria-feser/79167>.

2000–2005 **SNSF Professorship**, 1,268,289 CHF and 257,471 CHF, University of Geneva, Switzerland.

<http://p3.snf.ch/Project-57883>, <http://p3.snf.ch/Project-106465>

1997–2000 **University of Geneva Scholarship**, *Faculty of Psychology and Educational Sciences*, University of Geneva, Switzerland.

1995 **Latsis International Prize for PhD dissertation**, 25,000 CHF, University of Geneva, Switzerland.

1991–1992 **SNSF Doctoral Scholarship**, *Statistics Department*, LSE, UK.

Research Funding

- 2024–2028 **Data-driven imaging of volcanic plumbing systems**, *SNSF Sinergia Grant, 2,313,234 CHF*, University of Geneva, Switzerland.
<https://data.snf.ch/grants/grant/216582>
- 2019–2021 **Out-of-sample prediction estimation to accurately predict response to immunotherapy drugs in metastatic melanoma**, *Universities of Sydney and Geneva Partnership Collaboration Awards, 39,893 AUD*, University of Geneva, Switzerland.
with Dr S. Lo
- 2019–2024 **Simulation Based Fast Inference for Complex Models**, *SNSF, 701,746 CHF*, University of Geneva, Switzerland.
<http://p3.snf.ch/Project-182684>
- 2016–2018 **Media Analytics Research Project**, *Mediapulse AG für Medienforschung, 171,261 CHF*, University of Geneva, Switzerland.
- 2012–2015 **Robust Estimation of Time Dependent Processes with Application to Brain Imaging Data**, *SNSF, 173,332 CHF*, University of Geneva, Switzerland.
<http://p3.snf.ch/Project-140489>
- 2011–2014 **Robust Prediction and Model Choice in Mixed Linear Models for the Analysis of Social Sciences Data**, *SNSF, 327,240 CHF*, University of Geneva, Switzerland.
<http://p3.snf.ch/Project-131906>
- 2010–2013 **Modelling of Reciprocal Influences of Neuronal Activity Between Brain Regions Involved in Emotional Processing**, *CADMOS, University of Geneva research fund, one PhD position*, University of Geneva, Switzerland.
with Prof. O. Renaud and Prof. D. Grandjean
- 2006–2012 **Generalized Linear Latent Variable and Mixed Models: Estimation, Inference and Analysis Of Data In The Social Sciences**, *SNSF, 378,198 CHF*, University of Geneva, Switzerland.
<http://p3.snf.ch/Project-109532>
- 1997–1998 **Statistical methods for personal income distribution**, *SNSF, 225,288 CHF*, University of Geneva, Switzerland.
with Prof. E. Ronchetti, <http://p3.snf.ch/Project-46961>
- 1996–1997 **Modelling upper incomes**, *STICERD research fund*, LSE, UK.
with Prof. F. Cowell
- 1995–1997 **Distributional analysis using sample data**, *Economic and Social Research Council (ESRC), UK*, LSE, UK.
with Prof. F. Cowell
- 1994–1995 **International comparative study of data truncation**, *LSE research initiative fund*, LSE, UK.
with Prof. F. Cowell

Student Supervision

Postdoc Students

- 2023–2034 **Luca Insoglia**, *Simulation Based Fast Inference for Complex Models*, SNF grant no 182684.
- 2023–2034 **Samuel Orso**, *Simulation Based Fast Inference for Complex Models*, SNF grant no 182684.
- 2021 **Samuel Orso**, *Out-of-sample prediction estimation to accurately predict response to immunotherapy drugs in metastatic melanoma*, Universities of Sydney and Geneva Partnership Collaboration Awards.
- 2019–2020, 2023–2024 **Mucyo Karemera**, *Simulation Based Fast Inference for Complex Models*, SNF grant no 182684.

PhD Students

- Ongoing **Boulaguiem, Younes (co-supervision with S. Guerrier)**, *tbd*, Since August 2019.
- 2024 **Zang, Yuming**, *Accurate Inference through Bias Correction for Parametric and Semiparametric Models*, University of Geneva, Postdoc position at the School of Public Health, University of Harvard, USA.
- 2024 **Miglioli, Cesare**, *Contributions to the Statistical Analysis of Networks and Graphs*, PhD Thesis in Statistics, University of Geneva (co-supervision with S. Guerrier).
- 2023 **Blanc, Guillaume**, *Fast and Robust Estimation in High Dimension for Highly Dependent Data*, University of Geneva, Current position: Post Doc, Jacobs Center for Productive Youth Development, University of Zurich.
- 2021 **Xu, Haotian**, *Contributions to time series analysis*, PhD Thesis in Statistics, University of Geneva (co-supervision with S. Guerrier).
Current position: Assistant Professor (tenure track), Department of Statistics, University of Warwick. One relevant article published in the Journal of the American Statistical Association (2021).
- 2019 **Orso, Samuel**, *Contributions to simulation-based estimation methods*, PhD Thesis in Statistics (co-supervision with S. Guerrier), University of Geneva.
Current position: Post Doc, University of Geneva.
- 2016 **Molinari, Roberto Carlo**, *Robust Inference for Random Fields and Latent Models*, PhD Thesis in Statistics, University of Geneva (co-supervision with S. Guerrier).
Current position: Assistant Professor (tenure track), Department of Mathematics and Statistics, College of Sciences and Mathematics, Auburn University. One relevant article published in the Journal of the American Statistical Association (2021).
- 2015 **Dupuis Lozeron, Elise**, *Simulation Based Bias Correction Methods for Complex Problems*, PhD Thesis in Statistics, University of Geneva (co-supervision with S. Guerrier).
One relevant article published in the Journal of the American Statistical Association (2019).
- 2013 **Guerrier, Stephane**, *Two Essays in Statistics: a Prediction Divergence Criterion for Model Selection and Wavelet Variance Based Estimation of Latent Time Series Models*, PhD Thesis in Statistics, University of Geneva.
Current position: Assistant Professor, University of Geneva, financed by the Swiss National Science Foundation program Eccellenza Professorial Fellowships. Between 2014 and 2018, he was successively Assistant Professor at UC Urbana-Champaign and Pennstate University. One relevant article published in the Journal of the American Statistical Association (2013).
- 2011 **Couturier, Dominique-Laurent**, *Statistical Modelling of Radio Audience Data: a Parametric Approach*, PhD Thesis in Statistics, University of Geneva.
Current position: Senior Statistician and Data Scientist, Cancer Research UK Cambridge Institute, University of Cambridge. One relevant article published in the Annals of Applied Statistics (2010).
- 2009 **Elefant-Yanni, Veronique Rica**, *Research on Affect Structure Using Generalized Linear Latent Variable Models for the Treatment of Ordinal Variables*, PhD Thesis in Psychology, University of Geneva.
- 2008 **Conne, David**, *Goodness-of-Fit for Generalized Linear Latent Variables Models*, PhD Thesis in Econometrics and Statistics, University of Geneva (co-supervision with E. Ronchetti).
One relevant article published in the Journal of the American Statistical Association (2010).
- 2004 **Huber, Philippe**, *Generalized Linear Latent Variables Models: Estimation, Inference and Empirical Analysis of Financial Data*, PhD Thesis in Econometrics and Statistics, University of Geneva (co-supervision with E. Ronchetti).
One relevant article published in the Journal of the Royal Statistical Society, Series B (2004).
- 2004 **Copt, Samuel**, *High Breakdown Inference for Mixed Linear Models*, PhD Thesis in Econometrics and Statistics, University of Geneva.
One relevant article published in the Journal of the American Statistical Association (2006).

Master Students

- 2023 **Cancer type prediction for Swiss Health Survey data**, *Mohr, Ella*, Master in Statistics, University of Geneva.

- 2022 **Predicting the Recurrence of Cervical Intraepithelial Dysplasia**, *Ruhee, Kenneth Kumar*, Master in Statistics, University of Geneva.
- 2020 **Shrinkage Methods Comparison in Bioprocess Optimization Context**, *Sutter, Jean Alexandre*, Master in Statistics, University of Geneva.
- 2020 **Future of Work: A proposed methodology towards cultural change and adoption of new ways of working**, *Dardougias, Amvrosios Konstantinos*, Master in Business Analytics, University of Geneva.
- 2019 **Model Selection for Multinomial Logit Regression Using a Decomposition Strategy**, *Galvan, Cecilia*, Master in Statistics, University of Geneva.
- 2019 **Extended Covariance Penalty Criteria for Model Selection in Logistic Regression**, *Lee, Minyoung*, Master in Statistics, University of Geneva.
- 2018 **Prediction Divergence Criterion for Model Selection in the Logistic Regression**, *Miglioli, Cesare*, Master in Statistics, University of Geneva.
- 2016 **A Multivariate Model for Latent Lazy Random Walks with Jump Processes: With Application in High-Frequency Financial Data**, *Bakalli, Gaetan*, Master in Statistics, University of Geneva.
- 2016 **Monte Carlo Study of a New Model Selection Algorithm for High Dimensional Problems in a Longitudinal Setting: An application to Early Warning Systems in the context of Sovereign Crises**, *Hammad, Salim*, Master in Statistics, University of Geneva.
- 2014 **Can we predict SNP Genotypes from Plant Images by applying Pattern Recognition Techniques? A Case study in Pepper**, *Garin, Vincent*, Master in Statistics, University of Geneva.
- 2013 **Robust Estimation of Bivariate Copulas**, *Orso, Samuel*, Master in Statistics, University of Geneva.
- 2013 **Robust Model Selection**, *Mili, Nabil*, Master in Statistics, University of Geneva.
- 2012 **Robust Estimation of Wavelet Variance: a non-parametric approach**, *Molinari, Roberto*, Master in Statistics, University of Geneva.
- 2012 **Impact of Extreme Values on Residuals in Linear Mixed Models. An exploratory Analysis**, *Rothen, Stéphane*, Master in Statistics, University of Geneva.
- 2011 **Cluster Analysis of large datasets involving categorical variables using hierarchical and optimization partitioning techniques**, *Nicolet, Mathieu*, Master in Statistics, University of Geneva.
- 2009 **A Report on the Construction of a Summary Index Scoring ICT Performance in an Economic Perspective Worldwide 2010/2011**, *Tsoumtsia Ngompong, Virginie*, Master in Statistics, University of Geneva.
- 2008 **Regional and Global Estimates for Millennium Development Goals' Indicator 3.2 : "Share of Women in Wage Employment in the Non-Agricultural Sector"**, *Philiips, Samantha*, Master in Statistics, University of Geneva.
- 2008 **Robust estimator for constrained covariance matrix in the case of Confirmatory Factor Analysis**, *Dupuis, Elise*, Master in Statistics, University of Geneva.
- 2006 **Analyse de sensibilité du modèle GLLVM à une distribution asymétrique des variables latentes**, *Scheuer, Nicolas*, Master in Econometrics, University of Geneva.
- 2006 **Estimation robuste d'analyse factorielle confirmatoire**, *Irintcheeva, Irina*, Master in Econometrics, University of Geneva.
- 2005 **Test d'adéquation pour les modèles linéaires à variables latentes généralisés**, *Conne, David*, Master in Econometrics, University of Geneva.
- 2001 **Estimation of Generalized Latent Trait Models**, *Huber, Philippe*, Master in Econometrics, University of Geneva.

Organisation of Scientific Meetings

2016 **Chair of local organizing committee**, ICORS, July 2016, Geneva, Switzerland.

Governing Activities

2021–2024 **Co-Organiser**, *Project “Data Science for All”*, University of Geneva, Financed by “swissuniversities” (Geneva “Make-it-easy” program) (224,335 CHF).

2017–2019 **Director**, *Research Center for Statistics*, GSEM, University of Geneva, Switzerland.

2014–2017 **Founding Dean**, *Geneva School of Economics and Management (GSEM)*, University of Geneva, Switzerland.

Main achievements: organisational restructuring in research institutes, new bilingual bachelor in economics and management, setting up of the accreditation process for the GSEM, setting up the creation of a chair in Business and Human Rights, setting up of a PPP agreement to support the Master in Business Analytics.

2011–2013 **Founding Director**, *Research Center for Statistics*, University of Geneva, Switzerland.

2009–2013 **Founding Director**, *PhD program in Statistics*, University of Geneva, Switzerland.

2006–2013 **Founding Director**, *Master of Science in Statistics*, University of Geneva, Switzerland.

2001–2007 **President**, *Equal Opportunity commission*, Faculty of Economics and Social Sciences, University of Geneva, Switzerland.

Committees (selected)

2019–2022 **Member**, *Selection committee for the Latsis prize*, University of Geneva, Switzerland.

2012–2013 **Coordinator**, *Committee for the creation of the GSEM*, University of Geneva, Switzerland.

2011–2013 **Member**, *Integrity commission*, Faculty of Economics and Social Sciences, University of Geneva, Switzerland.

2009–2013 **Member**, *Selection committee for “Excellence Grants”*, University of Geneva, Switzerland.

Program for female career promotion.

1997–2001 **Founding coordinator**, *Methodology and Data Analysis Group*, Faculty of Psychology and Educational Sciences, University of Geneva, Switzerland.

Teaching

2024– **Fundamental concepts of statistics**, *MA in Statistical Sciences*, 12 ECTS, University of Bologna.

2024– **Introduction to Robust Statistics**, *Doctoral Program in Statistical Sciences*, 6 ECTS, University of Bologna.

2023– **Statistical Methods for Economic Analysis**, *MA in Applied Economics and Markets*, 6 ECTS, University of Bologna.

2021–2022 **Introduction to Computational Statistics**, *BA, International Relations*, 6 ECTS, University of Geneva.

2021–2022 **Mixed linear models**, *MA Stat*, 6 ECTS, University of Geneva.

2019 **R programming for Data Science**, *Summer Class*, 3 ECTS, University of Geneva.
Principal teacher: Prof. S. Guerrier.

2018– **Model selection in high dimension**, *MA/Doct Stat*, 6 ECTS, University of Geneva.

2018– **Sampling techniques**, *MA Stat*, 3 ECTS, University of Geneva.
Invited teachers from the Swiss Federal Statistical Office.

2015– **Introduction to Biostatistics**, *MA Stat*, 3 ECTS, University of Geneva.
Invited teachers: Dr. D. Warne, Dr F. Curtin.

2015– **Survival Analysis**, *Certificate of Applied Statistics*, 3 ECTS.
Invited teachers: Dr S. Rothen, Dr S. Copt.

2015–2019 **Longitudinal Analysis**, *Certificate of Applied Stat*, 3 ECTS, University of Geneva.
Invited teacher: Dr B. Cerutti.

- 2009 **Robust Regression Methods in Biostatistics**, *Short Course*, Swiss Statistical Society.
- 2008 **Robust Regression Methods in Biostatistics**, *Short Course*, XXIV International Biometric Conference (IBC2008), Dublin, Ireland.
- 2007 **Robust Statistics**, *National Doctoral School in Statistics*, Aussoie, France.
- 2006–2013 **Mixed linear models**, *MA Stat*, 6 ECTS, University of Geneva.
- 2006–2013 **Teaching statistics**, *MA Stat*, 3 ECTS, University of Geneva.
- 2005–2006 **Statistical Modelling**, *BA Econ/Management*, University of Geneva.
- 2002–2005 **Data Analysis**, *BA Psych*, 6 ECTS, University of Geneva.
- 2001–2013 **Statistical Methods**, *BA Management*, 6 ECTS, University of Geneva.
- 2001 (Apr) **Structural Equation Modeling with LISREL**, *Short course*, University of Geneva.
Invited teacher: Prof. K. Joreskog.
- 2000–2005 **Multivariate analysis**, *MA Psych*, 6 ECTS, University of Geneva.
- 1999–2004 **Introductory statistics**, *Certificate in business administration*, 3 ECTS, University of Geneva.
Executive education.
- 1998–2005 **Research methodology**, *MA Psych*, 6 ECTS, University of Geneva.
- 1998–2001 **Statistics and Probability I**, *BA Econ/Management*, 6 ECTS, University of Geneva.
- 1994–1996 **Regression analysis and ANOVA**, *BA Econ*, 6 ECTS, LSE.
- 1994–1996 **Experiments in social research**, *MA Stat*, 6 ECTS, LSE.
- 1994–1996 **Robust methods of estimation**, *MA Stat*, 6 ECTS, LSE.

Outreach

- 2020-2022 **Conseil de la Statistique Cantonale, Geneva**, *Member*.
- 2003–2004 **Swiss Statistical Society, Section Education and Research**, *Committee Member*.

Publications

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Articles

- 2024 **Estimation and Uncertainty Quantification of Magma Interaction Times using Statistical Emulation**, *Volcanica*, Insolia, L., Guerrier, S., Montagna, C. P., Victoria-Feser, M.-P, and Caricchi, L..
To appear
- 2024 **The maternal-fetal neurodevelopmental groundings of preterm birth risk**, *Heliyon*, C. Miglioli, M. Canini, E. Vignotto, N., Pecco, M. Pozzoni, M.-P. Victoria-Feser, S. Guerrier, M. Candiani, A. Falini, C. Baldoli, P. I. Cavoretto and P. A. Della Rosa.
<https://doi.org/10.1016/j.heliyon.2024.e28825>, Q1 Scimago Multidisciplinary
- 2024 **Assessing COVID-19 Prevalence in Austria with Infection Surveys and Case Count Data as Auxiliary Information**, *Journal of the American Statistical Association (Applications and Case Studies)*, To appear, S. Guerrier, C. Kuzmics and M.-P. Victoria-Feser.
Q1 Scimago Stat & Prob.
- 2023 **Finite Sample Corrections for Average Equivalence Testing**, *Statistics in Medicine*, Published online, Y. Boulaguie, J. Quartier, M. Lapteva, Y. N. Kalia, M.-P. Victoria-Feser, S. Guerrier and D.-L. Couturier.
<https://doi.org/10.1002/sim.9993>, Q1 Scimago Stat & Prob.
- 2022 **Predicting LyC emission of galaxies using their physical and Ly-alpha emission properties**, *Astronomy & Astrophysics*, M. Maji, A. Verhamme, J. Rosdahl, T. Garel, J. Blaizot, V. Mauerhofer, M. Pittavino, M.-P. Victoria-Feser, M. Chuniaud, T. Kimm, H. Katz, and M. Haehnelt.
<https://doi.org/10.1051/0004-6361/202142740>, Q1 Scimago Q1 Space & Planetary Science

- 2021 **Robust Two-Step Wavelet-Based Inference for Time Series Models**, *Journal of the American Statistical Association (Theory & Methods)*, S. Guerrier, R. Molinari, M.-P. Victoria-Feser and H. Xu.
<https://doi.org/10.1080/01621459.2021.1895176>, Q1 Scimago Stat & Prob.
- 2019 **Simulation based Bias Correction Methods for Complex Models**, *Journal of the American Statistical Association (Theory & Methods)*, 114, 146–157, S. Guerrier, E. Dupuis, Y. Ma and M.-P. Victoria-Feser.
 DOI:10.1080/01621459.2017.1380031, Q1 Scimago Stat & Prob.
- 2018 **Discussion of *The power of monitoring: How to make the most of a contaminated multivariate sample*** by A. Cerioli, M. Riani, A. C. Atkinson and A. Corbellini, *Statistical Methods and Applications*, 27, 595–602, S. Heritier and M.-P. Victoria-Feser.
 DOI:10.1007/s10260-017-0412-0, Q2 Scimago Stat & Prob.
- 2018 **Parametric Inference for Index Functionals**, *Econometrics*, 6 (22), S. Guerrier, S. Orso and M.-P. Victoria-Feser.
 DOI:10.3390/econometrics6020022
- 2014 **Estimation of Time Series Models via Robust Wavelet Variance**, *Austrian Journal of Statistics*, 43, 267–277, S. Guerrier, R. Molinari and M.-P. Victoria-Feser.
 DOI:10.17713/ajs.v43i4.45, Q3 Scimago Stat & Prob.
- 2014 **Generalized Method of Wavelet Moments for Inertial Navigation Filter Design**, *IEEE Transactions on Aerospace and Electronic Systems*, 50, 2269–2283, Y. Stebler, S. Guerrier, J. Skaloud and M.-P. Victoria-Feser.
 DOI:10.1109/TAES.2014.120751, Q1 Scimago Engineering.
- 2013 **Robust VIF Regression with Application to Variable Selection in Large Datasets**, *Annals of Applied Statistics*, 7, 319–341, D. J. Dupuis and M.-P. Victoria-Feser.
 DOI:10.1214/12-AOAS584, Q1 Scimago Stat & Prob.
- 2013 **Wavelet-Variance-Based Estimation for Composite Stochastic Processes**, *Journal of the American Statistical Association (Theory & Methods)*, 108, 1021–1030, S. Guerrier, J. Skaloud, Y. Stebler and M.-P. Victoria-Feser.
 DOI:10.1080/01621459.2013.799920, Q1 Scimago Stat & Prob.
- 2012 **Fault Detection and Isolation in Multiple MEMS-IMUs Configurations**, *IEEE Transactions on Aerospace and Electronic Systems*, 48, 2015–2031, S. Guerrier, A. Waegli, J. Skaloud and M.-P. Victoria-Feser.
 DOI:10.1109/TAES.2012.6237576, Q1 Scimago Engineering.
- 2011 **Constrained Expectation-Maximization Algorithm for Stochastic Inertial Error Modeling: Study of Feasibility**, *Measurement Science and Technology*, 22, Y. Stebler, S. Guerrier, J. Skaloud and M.-P. Victoria-Feser.
 DOI:10.1088/0957-0233/22/8/085204, Q1 Scimago Engineering.
- 2011 **Isotone Additive Latent Variable Models**, *Statistics and Computing*, 22, 647–659, S. Sardy and M.-P. Victoria-Feser.
 DOI:10.1007/s11222-011-9262-z, Q1 Scimago Stat & Prob.
- 2011 **Fast Robust Model Selection in Large Datasets**, *Journal of the American Statistical Association (Theory & Methods)*, 106, 203–212, D. J. Dupuis and M.-P. Victoria-Feser.
 DOI:10.1198/jasa.2011.tm09650, Q1 Scimago Stat & Prob.
- 2010 **Goodness-of-fit for Generalized Linear Latent Variables Models**, *Journal of the American Statistical Association (Theory & Methods)*, 105, 1126–1134, D. Conne, E. Ronchetti and M.-P. Victoria-Feser.
 DOI:10.1198/jasa.2010.tm09160, Q1 Scimago Stat & Prob.
- 2010 **Zero-Inflated Truncated Generalized Pareto Distribution for the Analysis of Radio Audience Data**, *Annals of Applied Statistics*, 4, 1824–1846, D.-L. Couturier and M.-P. Victoria-Feser.
 DOI:10.1214/10-AOAS358, Q1 Scimago Stat & Prob.

- 2010 **A Robust Coefficient of Determination For Regression**, *Journal of Statistical Planning and Inference*, 140, 1852–1862, O. Renaud and M.-P. Victoria-Feser.
DOI:10.1016/j.jspi.2010.01.008, Q2 Scimago Stat & Prob.
- 2010 **Robust Estimation of Constrained Covariance Matrices for Confirmatory Factor Analysis**, *Computational Statistics and Data Analysis*, 54, 3020–3032, E. Dupuis Lozeron and M.-P. Victoria-Feser.
DOI:10.1016/j.csda.2009.08.014, Q1 Scimago Stat & Prob.
- 2009 **Assessing Multivariate Predictors Of Financial Market Movements: A Latent Factor Framework For Ordinal Data**, *Annals of Applied Statistics*, 3, 249–271, P. Huber, O. Scaillet and M.-P. Victoria-Feser.
DOI:10.1214/08-AOAS213, Q1 Scimago Stat & Prob.
- 2007 **De-Biasing Weighted MLE via Indirect Inference: The Case of Generalized Linear Latent Variable Models**, *Revstat Statistical Journal*, 5, 85–96, M.-P. Victoria-Feser.
<https://www.ine.pt/revstat/pdf/rs070105.pdf>, Q4 Scimago Stat & Prob.
- 2007 **Robust Stochastic Dominance: A Semi-Parametric Approach**, *Journal of Economic Inequality*, 7, 21–37, F. A. Cowell and M.-P. Victoria-Feser.
DOI:10.1007/s10888-006-9022-z
- 2006 **A Robust Prediction Error Criterion for Pareto Modeling of Upper Tails**, *The Canadian Journal of Statistics*, 34, 639–658, D. J. Dupuis and M.-P. Victoria-Feser.
DOI:10.1002/cjs.5550340406, Q1 Scimago Stat & Prob.
- 2006 **Distributional Dominance with Trimmed Data**, *Journal of Business and Economics Statistics*, 24, 291–300, F. A. Cowell and M.-P. Victoria-Feser.
DOI:10.1198/073500105000000207, Q1 Scimago Stat & Prob.
- 2006 **Bounded-Influence Robust Estimation in Generalized Linear Latent Variable Models**, *Journal of the American Statistical Association (Theory & Methods)*, 101, 644–653, I. Moustaki and M.-P. Victoria-Feser.
DOI:10.1198/016214505000001320, Q1 Scimago Stat & Prob.
- 2006 **High Breakdown Inference in the Mixed Linear Model**, *Journal of the American Statistical Association (Theory & Methods)*, 101, 292–300, S. Copt M.-P. and Victoria-Feser.
DOI:10.1198/016214505000000772, Q1 Scimago Stat & Prob.
- 2004 **Estimation of Generalized Linear Latent Variable Models**, *Journal of the Royal Statistical Society, Series B*, 66, 893–908, P. Huber, E. Ronchetti and M.-P. Victoria-Feser.
DOI:10.1111/j.1467-9868.2004.05627.x, Q1 Scimago Stat & Prob.
- 2003 **Distribution-Free Inference for Welfare Indices under Complete and Incomplete Information**, *The Journal of Economic Inequality*, 1, 191–219, F. A. Cowell and M.-P. Victoria-Feser.
DOI:10.1023/B:JOEI.0000004637.12354.c7
- 2002 **High Breakdown Estimation of Multivariate Location and Scale With Missing Observations**, *British Journal of Mathematical and Statistical Psychology*, 55, 317–335, T.-C. Cheng and M.-P. Victoria-Feser.
DOI:10.1348/000711002760554615, Q1 Scimago Stat & Prob.
- 2002 **Robust Inference with Binary Data**, *Psychometrika*, 67, 21–32, M.-P. Victoria-Feser.
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- 2012, Dec **Introduction to Robust Statistics and Case Study with Fast Robust Model Selection in Regression**, *D. J. Dupuis and M.-P. Victoria-Feser*, Research Seminar, Medical School, University of Geneva, Switzerland.
- 2012, Aug **Generalized Method of Wavelet Moments for the Estimation of Composite Stochastic Models**, *S. Guerrier and M.-P. Victoria-Feser*, CompStat, Limassol, Cyprus.
- 2012, Aug **Generalized Method of Wavelet Moments for the Estimation of Composite Stochastic Models**, *S. Guerrier and M.-P. Victoria-Feser*, Joint Statistical Meetings, San Diego, USA.
- 2012, Aug **Robust VIF Regression for Selection in Large Datasets**, *D. J. Dupuis and M.-P. Victoria-Feser*, CompStat, Limassol, Cyprus.
- 2012, May **Simulation Based Estimation for Generalized Latent Linear Variables Models**, *S. Guerrier, E. Dupuis-Lozeron and M.-P. Victoria-Feser*, International Conference on Methods and Models for Latent Variables, Naples, Italy.
- 2012, Feb **Robust VIF Selection in Large Datasets**, *D. J. Dupuis and M.-P. Victoria-Feser*, Research Seminar, University of Neuchâtel, Switzerland.
- 2010, Jul **Fast Robust Model Selection in Large Datasets**, *Dupuis, D. J. and M.-P. Victoria-Feser*, ICORS, Prague, Czech Republic.

- 2010, Feb **Robust FDI in Redundant MEMS-IMUs Systems**, *S. Guerrier, J. Skaloud, A. Waegli and M.-P. Victoria-Feser*, EuroCow, The Calibration and Orientation Workshop (European Spatial Data Research), Barcelona, Spain.
- 2008, Sep **Robust Estimation of Constrained Covariance Matrices for Confirmatory Factor Analysis**, *E. Dupuis-Lozeron and M.-P. Victoria-Feser*, ICORS, Antalya, Tukey.
- 2007, Dec **Consistent Robust Estimation Using Indirect Inference for the Construction of Wealth Indicators**, *M.-P. Victoria-Feser*, Research Seminar, Statistical Institute, UCL, Belgium.
- 2007, Nov **Consistent Robust Estimation Using Indirect Inference for the Construction of Wealth Indicators**, *M.-P. Victoria-Feser*, Research Seminar, School of Mathematics and Statistics, University of New South Wales, Sydney, Australia.
- 2007, Apr **Assessing the Predictive Ability of Broker-Dealers Using a Multivariate Multinomial Logit (MML) with Latent Factors**, *P. Huber, O. Scaillet and M.-P. Victoria-Feser*, International Workshop on Computational and Financial Econometrics, Geneva, Switzerland.
- 2006, Sep **Robust Mean-Variance Portfolio Selection**, *M.-P. Victoria-Feser*, Research Seminar, Department of Decision Sciences, London Business School, UK.
- 2006, Aug **Important Concepts in Robustness and Key Results**, *M.-P. Victoria-Feser*, Annual Conference of the ISCB, Geneva, Switzerland.
- 2006, Jul **De-biasing Weighted MLE Via Indirect Inference: The Case of Generalized Linear Latent Variable Models**, *M.-P. Victoria-Feser*, ICORS, Lisbon, Portugal.
- 2006, Jun **A Robust Alternative to the F-test in ANOVA and Mixed Linear Models**, *M.-P. Victoria-Feser*, International Meeting of the Psychometric Society (IMPS), Montreal, Canada.
- 2005, May **Robust Lorenz Curves: A Semi-Parametric Approach**, *M.-P. Victoria-Feser*, International Conference in memory of two eminent social scientists: C. Gini and M. O. Lorenz, Siena, Italy.
- 2004, Jul **Invited panel discussant on the future of robust statistics**, *M.-P. Victoria-Feser*, ICORS, Beijing, China.
- 2004, Apr **Estimation of Generalized Linear Latent Variable Models**, *M.-P. Victoria-Feser and P. Huber*, Computational Management Science Conference, University of Neuchâtel, Switzerland.
- 2003, Sep **High Breakdown Inference in the Mixed Linear Model**, *M.-P. Victoria-Feser and S. Copt*, Research seminar, Department of Applied Economics, Katholieke Universiteit Leuven, Belgium.
- 2003, Sep **Robust Mean-Variance Portfolio Selection**, *C. Perret-Gentil and M.-P. Victoria-Feser*, European Investment Review Annual Conference, Geneva, Switzerland.
- 2003, Aug **Estimation of Generalized Latent Trait Models**, *P. Huber, E. Ronchetti and M.-P. Victoria-Feser*, Joint Statistical Meeting, San Francisco, USA.
- 2003, Aug **Latent Variable Modeling**, *P. Huber, E. Ronchetti and M.-P. Victoria-Feser*, Joint Statistical Meeting, San Francisco, USA.
- 2003, Aug **A Prediction Error Criterion for Choosing the Lower Quantile in Pareto Index Estimation**, *D. J. Dupuis and M.-P. Victoria-Feser*, Joint Statistical Meeting, San Francisco, USA.
- 2003, Jul **Robust Multivariate Inference for ANOVA Models with Repeated Measures**, *S. Copt and M.-P. Victoria-Feser*, ICORS, Antwerpen, Belgium.
- 2003, Jul **Fast Algorithms for Computing High Breakdown Covariance Matrices with Missing Data**, *S. Copt and M.-P. Victoria-Feser*, ICORS, Antwerpen, Belgium.
- 2002, May **Robust Lorenz curves: A Semi-Parametric Approach**, *F. A. Cowell and M.-P. Victoria-Feser*, ICORS, Vancouver, Canada.

- 2001, Jul **Generalized Latent Trait Models: is the Maximum Likelihood Estimator Robust to Data Contamination?**, *M.-P. Victoria-Feser and I. Moustaki*, International Meeting of the Psychometric Society (IMPS), Osaka, Japan.
- 2000, Jul **High Breakdown Estimation of Multivariate Location and Covariance with Missing Observations**, *M.-P. Victoria-Feser and T.-C. Cheng*, 22nd Biennial Meeting of the Society for Multivariate Analysis in the Behavioural Sciences, London, UK.
- 1998, Aug **Robust Inference for Income Distribution and Related Economic Problems**, *M.-P. Victoria-Feser*, 22nd European meeting of Statisticians, Vilnius, Lithuania.
- 1995, Jun **Performance Measurement Analysis: Art Versus Science**, *Meaden, S., Haworth, S. and M.-P. Victoria-Feser*, Global Alternative Investment Management Forum, Geneva, Switzerland.
- 1992, Aug **Robust Estimators with Grouped Data**, *M.-P. Victoria-Feser and E. Ronchetti*, 20th European meeting of Statisticians, Bath, UK.
- 1991, May **Robust Methods for Personal Income Models**, *M.-P. Victoria-Feser*, International Conference on Personal Income Distribution, Inequality and Poverty, Sienna, Italy.