

B I B L I O G R A P H Y

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1 PAPERS

1.1 Published Research Papers

1. "L'investissement dans l'entreprise", *Epargner et Investir*, **101**, 12-18, 1962.
2. "On the Predictive Value of Investment Surveys", with H. Theil and J.I. Vorst, *Statistica Neerlandica*, **17**, 289-297, 1963. (Translation : "Über den Vorhersagewert von Investitionsbefragungen", *IFO-Studien*, **9**(1/2), 71-85, 1963).
3. "Bayesian Inference in Error-in-Variables Models", with J.-P. Florens and J.-F. Richard, *Journal of Multivariate Analysis*, **4**, 419-452, 1974.
4. "Polynomial Approximation of Distributed Lags and Linear Restrictions: A Bayesian Approach", with R. Orsi, *Empirical Economics*, **1**, 129-152, 1976.
5. "A Note on Bayes Theorem", *Statistica*, **36**(2), 349-357, 1976.
6. "A Regression Model with an Explanatory Variable which is both Binary and Subject to Errors", chap. 4 in : *Latent Variables in Socio-Economic Models*, ed. by D.J. Aigner and A.S. Goldberger, Amsterdam, North-Holland, 49-66, 1977.
7. "Conditional Independence in Statistical Theory", Discussion of paper by A. P. Dawid, *Journal of the Royal Statistical Society*, Series B, **41**(1), 25-26, 1979.
8. "Modèles de choix de transports domicile-travail à Bruxelles, Liège et Namur", with F.X. de Donnée, A.-M. Rutgeerts and T. Vaes, *Annales de Sciences Economiques Appliquées*, **35** (4), 49-77, 1979.
9. "Least-Squares Approximation in Bayesian Analysis", with L. Simar, in : *Bayesian Statistics*, Proceedings of the First International Meeting held in Valencia (Spain), May 28-June 2, 1979, edited by J.M. Bernardo, M.H. de Groot, D.V. Lindley and A.F.M. Smith, Valencia, University Press, 207-222, 1980.
10. "Réductions dans les expériences bayésiennes séquentielles", with J.-P. Florens and J.-M. Rolin, *Cahiers du Centre d'Etudes de Recherche Opérationnelle*, **22**(3-4), 353-362, 1980.
11. "A Note on Non Causality", with J.P. Florens, *Econometrica*, **50**(3), 583-591, 1982.

12. "Model Selection Procedures, or, Does the Consumption Function Exist?", Discussion of a paper by A.S. Deaton, chap.5 in : *Evaluating the Reliability of Macroeconomic Models*, ed. by G.C. Chow and P. Corsi, New York, Wiley, 65-69, 1982.
13. "Theory and Applications of Least Squares Approximation in Bayesian Analysis", with L. Simar, in : *Specifying Statistical Models, from Parametric to Non-Parametric, Using Bayesian or Non-Bayesian Approaches*, ed. by J.-P. Florens, M. Mouchart, J.-P. Raoult, L. Simar and A.F.M. Smith (Lecture Note in Statistics, Vol. 16), Berlin, Springer-Verlag, 93-107, 1983.
14. "Approximate Sufficiency on the Parameter Space and Model Selection", with J.-P. Florens and S. Scotto, in : *44th Session of the International Statistical Institute : Contributed Papers*, Vol. 2, 763-766, 1983.
15. "A Note on Least Squares Approximation in the Bayesian Analysis of Regression Models", with L. Simar, *Journal of the Royal Statistical Society*, Series B, **46**(1), 124-133, 1984.
16. "Bayesian Predictions : Non Parametric Methods and Least Squares Approximations", with L. Simar, in : *Alternative Approaches to Time Series Analysis*, Proceedings of the Third Franco-Belgian Meeting of Statisticians, held in Rouen, November 25-26, 1982, ed. by J.-P. Florens, M. Mouchart, J.-P. Raoult and L. Simar, Bruxelles, Publications des Facultés Universitaires Saint-Louis, 11-28, 1984.
17. "On k-sufficiency", with J.-M. Rolin, *Statistica*, **44**(3), 367-371, 1984.
18. "A Note on Conditional Independence", with J.-M. Rolin, *Statistica*, **44**(4), 557-584, 1984.
19. "Conditioning in Dynamic Models", with J.-P. Florens, *Journal of Time Series Analysis*, **53**(1), 15-35, 1985.
20. "A Linear Theory for Non Causality", with J.-P. Florens, *Econometrica*, **53**(1), 157-175, 1985.
21. "On Two Definitions of Identification", with J.-P. Florens and J.-M. Rolin, *Statistics*, **16**(2), 213-218, 1985.
22. "Model Selection: Some Remarks from a Bayesian Viewpoint", with J.-P. Florens, in : *Model Choice*, Proceedings of the Fourth Franco-Belgian Meeting of Statisticians, November 1983, ed. by J.-P. Florens, M. Mouchart, J.-P. Raoult and L. Simar, Bruxelles, Publications des Facultés Universitaires Saint-Louis, 27-44, 1985.
23. "Bayesian Statistics in Econometrics", Discussion of a paper by A. Zellner in: *Bayesian Statistics 2*, Proceedings of the 2nd International Valencia Meeting, ed. by J.M. Bernardo, M.H. de Groot, D.V. Lindley and A.F.M. Smith, Amsterdam, North-Holland, 582-583, 1985.

24. "Letter to the Editor", with J.-M. Rolin, *Statistica*, **45**(3), 427-430, 1985.
25. "A Note on Price Adjustment Models in Disequilibrium Econometrics", with R. Orsi, *Journal of Econometrics*, **31**, 209-217, 1986.
26. "Exhaustivité, Ancillarité et Identification en Statistique Bayésienne", with J.-P. Florens, *Annales d'Economie et de Statistique*, **4**, 63-93, 1986.
27. "Structural Time Series Modeling : A Bayesian Approach", with J.-P. Florens and J.-F. Richard, *Applied Mathematics and Computation*, **20**(3-4), 365-400, 1986.
28. "Exact Estimability in Conditional Models", with J.-P. Florens and J.-M. Rolin, in : *Asymptotic Theory for Non I.I.D. Processes*, Proceedings of the Fifth Franco-Belgian Meeting of Statisticians, ed. by J.-P. Florens, Bruxelles, Publications des Facultés Universitaires Saint-Louis, 121-144, 1986.
29. "Some Examples of Bayesian Experiments", with J.-P. Florens, *Statistica*, **46**(4), 439-448, 1986.
30. "Bayesian Analysis of Load Curves through Spline Functions", with H. Roche, *The Statistician*, **36**(2), 289-296, 1987.
31. "Dynamic Error-in-Variables Models and Limited Information Analysis", with J.-P. Florens and J.-F. Richard, *Annales d'Economie et de Statistique*, **6/7**, 289-310, 1987.
32. "La demande résidentielle d'électricité : construction des diagrammes de charge sur base des données d'enquêtes", with A.-M. Rutgeerts, chap.5 in *Gestion de l'Economie et de l'Entreprise : l'Approche Quantitative*, collective work edited by CORE, De Boeck-Wesmael, 399-426, 1988.
33. "The Infinite Regress Problem", Comment on a Paper by A.P. Dawid, in *Bayesian Statistics 3*, Proceedings of the 3rd International Valencia Meeting, ed. by J. Bernardo, M.H. de Groot, D.V. Lindley and A.F.M. Smith, Oxford, Clarendon Press, 107-108, 1988.
34. "Bayesian Specification Tests", with J.-P. Florens, chap.14 in : *Contributions in Operations Research and Economics*, edited by B. Cornet and H. Tulkens, Cambridge, MIT Press, 467-490, 1989.
35. "Twenty-years After : Econometrics, 1966-1986", Comment on a Paper by A. Pagan, in *Contributions in Operations Research and Economics*, edited by B. Cornet and H. Tulkens, Cambridge, MIT Press, 383-387, 1989.
36. "On Maximal Ancillarity", with J.-M. Rolin, *Statistica*, **49**(1), 21-37, 1989.
37. "The Present Position in Bayesian Statistics", Comment on a paper by D.V. Lindley, *Statistical Science*, **5** (1), 84-85, 1989 .

38. "Théorie Mathématique de la Statistique", in *Encyclopédie Philosophique Universelle. II. Les Notions Philosophiques (Dictionnaire)*, Tome 2, Paris : Presse Universitaires de France, 2453-2455, 1990.
39. "Invariance Arguments in Bayesian Statistics", with J.-P. Florens and J.-M. Rolin, chap.16 in : *Economic Decision Making : Games, Econometrics and Optimisation*, edited by J. Gabszewicz, J.-F. Richard and L. Wolsey, Amsterdam, Elsevier Science Publisher, 387-403, 1990
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41. "Linear Bayes Estimation in Finite Populations with a Categorical Auxiliary Variable", with D. Cocchi, *Statistics*, **21**, 3, 437-454, 1990.
42. "Teaching Bayesian Statistics: from Economic to Statistical Rationality", with J.-P. Florens, in *Proceedings of the Third International Conference on the Teaching of Statistics (ICOTS 3)*, **2**, edited by David Vere-Jones, Voorburg : ISI Publications in Statistical Education, 313-320, 1991
43. "Bayesian Analysis of Mixtures : Some results on Exact Estimability and Identification", with J.-P. Florens and J.-M. Rolin, in *Bayesian Statistics 4*, edited. by J. Berger, J.M. Bernardo, A.P. Dawid and A.F.M. Smith, Oxford University Press, 127-145, 1992.
44. "Non Causality and Marginal Markov Processes", with J.-P. Florens and J.-M. Rolin, *Econometric Theory*, **9**, 241-262, 1993
45. "Bayesian Testing and Testing Bayesians", with J.-P. Florens, chap.11 in *Handbook of Statistics*, edited by G.S. Maddala and C.R. Rao, Amsterdam : North Holland, 303-334, 1993.
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47. "Bayesian Encompassing Tests of a Unit Root Hypothesis", with J.-P. Florens and S. Larribeau, *Econometric Theory*, **10**, 747-763, 1994.
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49. "Examining the Econom(etr)ic Relevance of Discretizing Panel Data : an Application to the Belgian Labour Market", with E. Cahuzac and B. Van der Linden, *Labour*, **8**, 455-488, 1994.
50. "La Modélisation Econométrique des Transitions individuelles sur le Marché du Travail", with J.-P. Florens, D. Fougère and T. Kamionka, *Economie et Prévision*, **116**, 181- 217, 1995.

51. "Duration Models", with J.-P. Florens and D. Fougère, chap.19 in *Econometrics of Panel Data*, 2nd ed., L. Mátyás and P. Sevestre eds., Kluwer Academic Publishers, 491-536, 1995.
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53. Review of "Handbook of Matrices", by Helmut Lütkepohl, *Computational Statistics*, **12**, 427-428, 1997.
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56. "Semi- and Non-parametric Bayesian Analysis of Duration Models with Dirichlet Priors: A Survey", with J.-P. Florens and J.-M. Rolin, *International Statistical Review*, **67**, 187-210, 1999.
57. "SORE Modelling for Clinical trials: A Bayesian Perspective", with A. Bouckaert, *Revista de la Sociedad Chilena de Estadística (SOCHE)*, **16-17**, 7-28, 1999-2000.
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59. Review of "Causation, Prediction and Search" by: Peter Spirtes, Glymour Clark et Richard Scheines, 2nd edition, 2000, *Statistica*, **LXI**, 2, 353, 2001.
60. "Competing Risks Models : Problems of Modelling and of Identification", with J.-M. Rolin, chap.10 in *Life Tables, Modelling Survival and Death*, edited by G. Wunsch, M. Mouchart and J. Duchêne, Dordrecht: Kluwer Academic Publishers, 245-267, 2002.
61. "Specification and Identification Issues in Models involving a latent Hierarchical structure", with E. San Martin, *Journal of Statistical Planning and Inference*, **111**, 143-163, 2003.
62. "La Wallonie: l'impact des positions sociales, des clivages et des enjeux sur le vote en 1999", with A.-P. Frogner, in *Elections, La Rupture?*, A.-P. Frogner and A.-M. Aish, editors, Bruxelles: De Boeck, 13-27, 2003.
63. "The local spatial autocorrelation and the kernel method for identifying black zones: a comparative approach", with B. Flahaut, E. San Martin and I. Thomas, *Accident Analysis and Prevention*, **35**, 991-1004, 2003.
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65. "Bayesian Evaluation of Non-Admissible Conditioning, with E. Scheihing, *Journal of Econometrics*, **123**, 283-306, 2004.
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70. Bargaining powers and market segmentation in freight transport, with M. Vandresse, to appear in *Journal of Applied Econometrics*, accepted for publication on Jan. 2006.

1.2 Unpublished Research Papers

- "A Regression Model with Prior Information on the Disturbances", CORE Discussion Paper 7116, 25 p., 1971.
- "Likelihood Analysis of Linear Models", with J.-P. Florens and J.-F. Richard, CORE Discussion Paper 7619, 38 p., 1976.
- "Reduction of Bayesian Experiments", with J.-P. Florens, CORE Discussion Paper 7737, 46 p., 1977.
- "A Review of Bayesian Statistical Theory as a Tool for Decision Making", Mimeo, 25 p., 1974.
- "Specification and Inference in Linear Models", with J.-P. Florens and J.-F. Richard, CORE Discussion Paper 7943, 71p., 1979.
- "Initial and Sequential Reduction of Bayesian Experiments", with J.-P. Florens, CORE Discussion Paper 8015, 45 p., 1980.
- "On the σ -Algebraic Realization Problem", with J.-M. Rolin, CORE Discussion Paper 8604, 1986.
- "The Structure of Econometric Specification : Model Building with Incomplete Restrictions" with Jayasri Dutta, First Boston Working Paper F-B-86-26, Graduate School of Business, Columbia University, June 1986.
- "Approximations of Bayesian Solutions in Finite Population Models, with D. Cocchi, CORE Discussion Paper 8905, 1989.
- Weak Conditional Independence and Relative Invariance in Bayesian Statistics, with J.-P. Florens and J.-M. Rolin, CORE Discussion Paper 9052, October 1990

- Data Preparation for a Micro-econometric Analysis of the Belgian Labour Market, with C.Kestens, F.Mehta and B.Van der Linden, paper presented at a Meeting of the European Unemployment Program (held in Louvain-la-Neuve, march 1991), March 1991
- Weak Conditional Independence and Marginalization Paradoxes, with J.-M. Rolin, in progress, June 1991.
- Reduction of Bayesian Experiments under Improper Prior Specification, with J.-M. Rolin, in progress, June 1991.
- Exact Estimability in Possibly Non-stationary Processes : a Bayesian Perspective, with J.-P. Florens and J.-M. Rolin, paper presented at the Yale-NSF Symposium on Bayes Methods and Unit Roots, June 1992.
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- Identification of polychoric correlations: a copula approach, with C. Almeida, Discussion Paper 0322, Louvain-la-Neuve : Institut de statistique, 2003.xw
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- Bargaining powers and market segmentation in freight transport, with M. Vandresse, Discussion Paper 0421, Louvain-la-Neuve : Institut de statistique, 2004.
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- On joint completeness: sampling and Bayesian versions, and their applications, with E. San Martin, Discussion Paper 0625, Louvain-la-Neuve : Institut de statistique, 2006.
- Neural modelling of ranking data with an application to stated preference data, with C. Krier and A.Oulhaj, Discussion Paper 0701, Louvain-la-Neuve : Institut de statistique, 2007.
- Testing the normality of the latent variables in the polychoric correlation model, with C. Almmeida, Discussion Paper 0707, Louvain-la-Neuve : Institut de statistique, 2007.
- Causality, structural modelling and exogeneity, with F. Russo and G. Wunsch, Discussion Paper 0709, Louvain-la-Neuve : Institut de statistique, 2007.

1.3 Conference Papers

A comparison of conjoint, multi-criteria, conditional logit and neural network analyses for rank-ordered preference data, with M. Beuthe, Ch. Bouffieux and C. Krier, presented at the 7th International Conference on MultiObjective Programming and Goal Programming, Tour(F), June 12-14, 2006

Statistical Modeling and Causality, with Federica Russo, Michel Ghins and Guillaume Wunsch

Causality, Structural Modelling and Exogeneity, with Federica Russo and Guillaume Wunsch, European Population Conference, Liverpool, 33p., 2006
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Causality, structural modelling and exogeneity presented at the conference on "Causal Analysis in Population Studies", Vienna(A), November 30-December 1, 2006.

1.4 Tutorial Papers and Teaching materials

"Régression multiple : distribution des estimateurs et tests d'hypothèse", in : *Analyse de Régression*, ed. by J. Delincé and M. Mouchart, Série Recyclage en Statistique, Vol. 1, Louvain-la-Neuve, CIACO, 11-22, 1977.

"Equations simultanées I", in : *Analyse de Régression*, ed. by J. Delincé and M. Mouchart, Série Recyclage en Statistique, Vol. 1, Louvain-la-Neuve, CIACO, 49-60, 1977.

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Analyse des Données discrètes, with P. Bogaert and J.-M. Rolin

The Econometrics of Duration Data and of Point Processes

The Econometrics of Panel Data

Introducción a los Procesos Estocásticos

Statistique Appliquée l'Entreprise

Statistique en Sciences Sociales

2 BOOKS

2.1 As author or co-author

Analyse bayésienne du modèle de régression avec résidus non-standard, Louvain-la-Neuve: CIACO, 67 p., 1974.

Elements of Bayesian Statistics, with J.-P.Florens and J.-M.Rolin, 544 p., New York : Marcel Dekker , 1990.

2.2 As co-editor

Analyse de Régression, edited with J. Delincé, Série Recyclage en Statistique, Vol. 1, Louvain-la-Neuve, CIACO, 140 p., 1978.

Méthodes Non-Paramétriques, edited with L. Simar, Série Recyclage en Statistique, Vol. 2, Louvain-la-Neuve, CIACO, 194 p., 1978.

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3 RESEARCH MEMORANDUM

- Le choix du mode de transport dans les déplacements domicile-travail*, with A.-M. Rutgeerts, Final report for Convention E/I/4.1, Programme National R-D Energie, Service de Programmation de la Politique Scientifique, Bruxelles, 212 p., 1982.
- Analyse de la demande résidentielle d'électricité*, with H. Roche et A.-M. Rutgeerts, Final report for Convention E3/I/6.1, Programme National R-D Energie, Service de Programmation de la Politique Scientifique, Bruxelles, 2 vol. : 155 p. + 281 p., 1987.
- La demande résidentielle d'électricité par usage et son élasticité par rapport au revenu*, with H. Roche, Final report for "Ministère des Affaires Economiques", 31 p., October 1987.
- Construction d'un modèle de demande d'énergie dans le secteur domestique*, with V. Nichèle and A. M. Rutgeerts, Final report for the Research Convention 87-09 with "Ministère des Affaires Economiques", 2 vol. : 14 + 327 p. et 147 p. - November 1988.
- Construction d'un Modèle Multi-usages et Multi-Energies de la Consommation Résidentielle Energétique*, with A.-M. Rutgeerts, Final report for the Research Convention 88-08 with "Ministère des Affaires Economiques", Final Report (41 p.)and 7 annexes (362 p.), November 1989.
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