

Christophe Croux
Katholieke Universiteit Leuven
Faculty of Business and Economics
Naamsestraat 69
B-3000 Leuven
Belgium
christophe.croux@econ.kuleuven.ac.be

November 10, 2011

CURRICULUM VITAE

Born	January 14, 1969 in Bilzen (Belgium)
Nationality	Belgian
1986–1990	Studied two year at the University of Limburg (LUC) and two years at the University of Antwerp (UIA). Obtained a diploma in mathematics, option applied mathematics, with the highest grade every year
1990-1992	Assistant at the University of Antwerp (UIA) for the division of applied mathematics
1993	Obtained Ph. D. degree in Science (summa cum laude) at the University of Antwerp (UIA). Promotor was Prof. Dr. P. Rousseeuw
1992-1995	Researcher at the Belgian National Science Foundation
1995-1996	Part-time professor at the University of Liège
1994-2009	Part-time professor at the Vrije Universiteit Brussel (VUB)
1995-2001	Professor at the Université Libre de Bruxelles (ULB)
2001-...	Professor at the K.U.Leuven
2007-...	Full Professor at the K.U.Leuven

Research Interests

Forecasting; multivariate statistics; marketing modeling; applied econometrics; computational statistics; robust statistics. The application and implementation of the proposed methodology is an essential part of my research.

Teaching Experience

1989-1990	Trainee in a secondary school, resulting in a diploma of higher secondary school teacher.
1990-1992	As a teaching assistant: exercises in numerical analysis, numerical linear algebra, numerical solutions of differential equations, scientific computing and Fortran at the University of Antwerp (UIA).
1993-1996	“Selected Topics in Statistics” to mathematics students at the University of Antwerp (UIA).
1994-1995	“Introduction to Statistics” to students in behavioral sciences at Vesalius College (VUB).
1995-1996	“Algebra” and “Geometry” to physics students at the University of Liège (ULg).
1994-...	“Mathematical Statistics II/III” to mathematics students at the Vrije Universiteit Brussel (VUB).
1995-2001	“Applied Statistics and Econometrics” to Business School students, “Robust Inference” to Mathematics students, “Microeconometrics”, “Selected Topics in Statistics and Econometrics”, and “Graduate Econometrics I” to economy students at the Université Libre de Bruxelles (ULB).
2001-2004	“The General Linear Model and experimental Design” to doctoral students and advanced master program students of the department of Business Economics.
2001-2005	“Forecasting” to doctoral students and advanced master program students of the department of Business Economics.
2001-2011	“Advanced Econometrics” to students of the doctoral program in Business and Economics.
2001-...	“Time series analysis” to master students in Economics and Statistics
2002-...	“Quantitative methods” to bachelor students in Business Economics.
2004-...	“Business Statistics” to bachelor students in Business Engineering.
2008-...	“Advanced Time series Analysis” to students of the doctoral program in Business and Economics.

Other Courses and Lectures

- Lecturer at the *Journées d'étude en statistique: Statistique Robuste* at Marseille (15-19 October 2012).
- Lecturer at the *EDEN doctoral seminar on statistical methods for management research*, Leuven (14-16 September 2011).
- Lecturer at the *IASC-ERS Summer School on Robust methods for Advanced data Structures*, Leuven (September 6-9, 2011).
- Lecturer at tutorial workshop “Robustness: Basic Concepts and Applications”, Prague (June 28-27).

- Given a course in Econometrics for the research department of the Belgian National Bank: regression, panel data, and time series analysis (2007-2008).
- Guest Professor for the course “Statistique Robuste” at the Faculty of Science of the Université de Liège (2007-2008, 2009-2010).
- Given the course “Business Statistics” in the postgraduate program “Business Economics” of the K.U. Leuven (2006-2008) and (2010-2011).
- Guest Professor for a short course on Robust Statistics at the Ecole National de Statistique et de l’Analyse de l’Information (ENSAI), Rennes, France (4-8 February 2002; 29-31 January 2003; 4-6 February 2004; 16-18 January 2006; 18-20 September 2006; 7-9 January 2008).
- As an invited lecturer, I gave 6 lectures on Robust Multivariate Statistics for the *23rd Finnish Summer School on Probability Theory*, Lathi, Finland, (4-8 June 2001).
- Given a course in Applied Econometrics for the research department of the Belgian National Bank (2001-2002).
- As an invited lecturer, I gave 4 lectures at the *Journées d’étude en statistique: Modèles statistiques pour données qualitatives* at Marseille (9-13 October 2000).
- Given a course in Robust Inference for the joint doctoral program in mathematics of the Flemish universities (University of Leuven, December 2002).
- Guest professor for the course “Robust Statistical methods” (University of Leuven 1999).
- Given seminars on design of experiments at the *Business Liaisons Centre of the University of Antwerp (UBCA)*, 1994-1996. Taught the introductory statistics course at the *Limburgs Universitair Centrum* in their Quality Control program organized for people from industry in 1997 and 1999.

Editorial Activities

- Co-editor of the Special Issue on “Robust Analysis of Complex Data” for *Computational Statistics and Data Analysis*, 2011.
- Associate editor of *Journal of Multivariate Statistics*, 2008-...
- Associate editor of *Computational Statistics and Data Analysis*, 1998-2007.
- Associate editor of *Journal of the American Statistical Association*, 2005-2008.
- Performed referee work for many journals, including *the Journal of the American Statistical Association*, *Annals of Statistics* and *Biometrika*.

- Reviewer for *Mathematical Reviews*, 1996-2004.
- Co-editor of the Special Issue on “Machine Learning and Robust Data Mining” for *Computational Statistics and Data Analysis*, 2007.
- Co-editor of a Special Issue on Factor Models for the *Journal of Econometrics*, 2004.

Organization of Scientific Meetings

- Co-Organizer of the *IASC-ERS Summer School on Robust methods for Advanced data Structures*, September 6-9, 2011.
- Co-Chair of the *4th International Conference of the ERCIM Working Group on Computing & Statistics (ERCIM 2011)*, London, December 17-19, 2011.
- Member of the Scientific committee of the *International Conference on Robust Statistics*, Valladolid, June 27-July 1, 2011.
- Member of the scientific committee of the *19th International Conference on Computational Statistics*, Paris, August 22-27, 2010.
- Member of the Scientific committee of the *International Conference on Robust Statistics*, Prague, June 28-July 2, 2010.
- Co-organizer of the *17th Annual Meeting of the Belgian Statistical Society*, 14-16 October, 2009.
- Co-Organizer of the “Fourth Leuven Statistical Day: Time series and panel data analysis: theory and applications” (with G. Dhaene). K.U.Leuven, 29 May 2009.
- Member of the scientific and organization committee of the workshop *ROBust CLAs-sification and Discrimination with High Dimensional Data (ROBCLA 2006)* 25-28 January 2006, Firenze Italy.
- Member of the scientific and organization committee of the workshop *DREaM 2005, Developments in Statistical Methodology: Diagnostics Robustness Exploration and Modeling*, Milton Keynes, 30/3 - 2/4, 2005.
- Member of the scientific committee of the *Workshop on Robustness and Statistical Inference in Honour of Victor Yohai*, 4-5 October 2006, Madrid, Spain.
- Co-organizer of the workshop *Robustness for High-dimensional Data*, 5-8 May 2004, Vorau, Austria.
- Co-Organizer of the yearly seminars in Econometrics and Statistics at the Faculty of Economics and Applied Economics from 2002-present.
- Organizer of two Sessions on “Robust Data Mining” at the “3rd World Conference on Computational Statistics & Data Analysis,” Limassol, Cyprus, 28-31 October 2005.

- Organizer of the invited paper session “Model selection for supervised learning”, at the 56th meeting of the International Statistical Institute, 22-29 August, Lisbon, 2007.
- Organizer of the Session “Robust Statistics” at the COMPSTAT 2004 meeting, August 23-27, Prague.
- Member of the scientific committee of the “International Workshop on Computational and Financial Econometrics,” 20-22 April 2007, Geneva, Switzerland.
- Member of the Scientific committee of International Conferences in Robust Statistics (Vorau 2001-Vancouver 2002-Antwerp 2003-Beijing 2004-Jyvaskyla 2005-Lisbon 2006-Antalya 2008, Parma 2009).
- Member of the Scientific committee of the “Econometrics of Wages” conference of the AEA, Brussels 2002.
- Organizer of the Session “Analyse multivariée robuste” at the Journées de Statistique, 13-17 May 2002, Bruxelles.
- Organizer of the joint seminars in statistics and econometrics at U.L.B. from 1998 to 2002.
- Co-organizer of the “XXème Rencontre Franco-Belge de Statisticiens, Factor Models,” Brussels 1999.
- Member of the organization committee of the *European meeting for Young Statisticians*, Rotterdam 1995.

Doctoral Students

- Currently supervisor of the doctoral students Jonathan Cornelissen, Steffi Frison, and Timmie Smet. Postdoctoral advisor of Andreas Alfons.
- Koen Mahieu (PhD 2010)
- Nicolas Gladly (Ph.D. 2008, now assistant professor at ESSEC Business School)
- Kris Boudt (Ph.D. 2008, now assistant professor at Lessius University College, Antwerp)
- Sarah Gelper (Ph. D. 2008, now assistant professor at Erasmus University Rotterdam),
- Johan Van Kerckhoven (Ph.D. 2008, joint supervision with Gerda Claeskens)
- Abdelilah Yadine (Ph.D 2006)
- Aurélie Lemmens (Ph.D. 2006, now associate professor at Tilburg University)
- Kristel Joossens (Ph. D. 2006)
- Marc Callens (PhD 2004)

- Catherine Dehon (PhD 2001, now professor at the Université Libre de Bruxelles)
- Gentiane Haesbroeck (PhD 1999, now professor at the University of Liège)

Research Grants

- Research Fund of the K.U. Leuven. Research project GOA/12/014 (co-promotor). “FLEXibel STATistisch modeleren en ROBUuste analyses van geavanceerde data structuren .” Period 01.10.2011-30.09.2016.
- Research Fund of the K.U. Leuven. F+ fellowship 11/001 (promotor). “Robust group-wise variable selection”, Andreas Alfons.
- Strategic Basic Research grant of the agency for innovation by Science and technology, IWT/0991183 (promotor of Jonathan Cornelissen). “New methods for the use of high-frequency data and sustainability scores in portfolio management.” Period 01.10.2009-01.10.2013.
- Fund for Scientific Research Flanders. Research project G.0445.08 (promotor). “Robust and semiparametric estimation of marketing models”. Period 01.01.2008-31.12.2011.
- National bank of Belgium. Research project NB/08/Croux (promotor) “Increasing the predictive power of confidence indicators using selection methods.” Period 01.02.2008-31.05.2009.
- Research Fund of the K.U. Leuven. Research project GOA/2007/04 (co-promotor). “Nonparametric and semiparametric techniques and robust methods in statistical analysis.” Period 01.10.2006-30.09.2011.
- Research assistantship of the Fund for Scientific research Flanders, ASP/07 (promotor of Kris Boudt). “Econometric analysis of outlier-contaminated multivariate time series. .” Period 01.10.2006-31.12.2008.
- Fund for Scientific Research Flanders. Research project G.0594.05 (promotor). “Granger causality analysis for high dimensional data with application to European business and consumer surveys”. Period 01.01.2005-31.12.2008.
- Chair of the Steering Committee of the European Science Foundation Network *Statistical Analysis of Complex Data with Robust and related Statistical Methods*, 2004-2007. This network consists of 10 partners and received 80000 Euro for the organization of network activities.
- Fund for Scientific Research Flanders. Research project G.0385.03 (promotor). “Discriminant analysis for two and multiple groups: robustness, classification errors, statistical properties”. Period 01.01.2003-31.12.2006.
- Research Fund of the K.U. Leuven. Research project OT/02/10 (promotor). “Robust discriminant analysis.” Period 01.10.2002-30.09.2006.

- Special doctoral fellowship of the Fund for Scientific research Flanders, BDB02/FWO (promotor of Marc Callens). “Multilevel event history analysis: statistical properties and application.” Period 01.09.2002-31.08.2003.
- Co-Promotor of the “Action de recherche concertée (2000-2004)” entitled “L’économie des Etats et des systèmes électoraux: théorie et études empiriques”, Université Libre de Bruxelles.
- Received research grants (Crédit aux chercheurs) from the Fonds National de la Recherche Scientifique (FNRS) in 1996, 1998 and 2000.
- Received many travel grants from the Science Foundation (FWO/FNRS).

Miscellanea

- Member of the council (Treasurer) of the International Association for Statistical Computing (2011-2013).
- Elected Member of the board of directors of the International Association for Statistical Computing, European Regional Section (2008-2012).
- Stayed as a visitor at several universities: Paris, Université Paris VI (1/4/90-1/6/90); Lund, Institute of Technology (30/04/94-8/05/94); Toulouse, Institut Paul Sabatier (17/5/95-17/7/95); Vienna, Technical University (21/7/99-31/7/99); Lisbon, Technical University (26/11/00-02/12/00); University of Jyvaskyla (15/2/2001-21/2/2001), Vienna, Technical University (15/9/2004-21/9/2004); Université des Sciences Sociales, Toulouse (3/11/2004-9/11/2004), Michigan State University (17/11/2004-14/12/2004).
- Elected member of the International Statistical Institute (ISI).
- Good knowledge of several statistical software packages: R, S-plus, SPSS, Gauss, Eviews, Matlab,...
- Performed statistical consulting for industrial and medical projects.

Languages

Native language is Dutch. Good knowledge of French and English. Passive knowledge of German.

Publications in international refereed journals

1. Croux, K., and Veraverbeke, N. (1990), “Nonparametric Estimators for the Probability of Ruin,” *Insurance: Mathematics and Economics*, 9, 127–130.
2. Croux, C., and Rousseeuw, P.J. (1992), “A Class of High-Breakdown Scale Estimators Based on Subranges,” *Communications in Statistics, Theory and Methods*, 21, 1935–1951.

3. Rousseeuw, P.J. and Croux, C. (1993), "Alternatives to the Median Absolute Deviation," *Journal of the American Statistical Association*, 88, 1273–1283.
4. Croux, C., Rousseeuw, P.J., and Hössjer, O. (1994), "Generalized S-Estimators," *Journal of the American Statistical Association*, 89, 1271–1281.
5. Hössjer, O., Croux, C., and Rousseeuw, P.J. (1994), "Asymptotics of Generalized S-Estimators," *Journal of Multivariate Analysis*, 51, 148–177.
6. Croux, C. (1994), "Efficient High-Breakdown M-Estimators of Scale," *Statistics and Probability Letters*, 19, 371–379.
7. Rousseeuw, P.J., and Croux, C. (1994), "The Bias of k -step M-estimators," *Statistics and Probability Letters*, 20, 411–420.
8. Hössjer, O., Rousseeuw, P.J., and Croux, C. (1994), "Asymptotics of the Repeated Median Slope Estimator," *The Annals of Statistics*, 22, 1478–1501.
9. Hössjer, O., and Croux, C. (1995), "Generalizing Univariate Signed Rank Statistics for Testing and Estimating a Multivariate Location Parameter," *Journal of Nonparametric Statistics*, 4, 293–308.
10. Rousseeuw, P.J., Croux C., and Hössjer, O. (1995), "Sensitivity Functions and Numerical Analysis of the Repeated Median Slope," *Computational Statistics*, 10, 71–90.
11. Croux, C., Rousseeuw, P.J., and Van Bael, A. (1996), "Positive-breakdown regression by minimizing nested scale estimators," *Journal of Statistical Planning and Inference*. 53, 197-235.
12. Hössjer, O., Rousseeuw, P.J., and Croux C. (1996), "Asymptotics of an Estimator of a Robust Spread Functional," *Statistica Sinica*, 2, 375-388.
13. Croux, C. (1996), "Maximum Deviation Curves for Location Estimators," *Statistics*, 28, 285-305.
14. Oruc, L., Furac, I., Croux, C., Jakovlevic, M., Kracun, I., Folnegovic, V., and Van Broeckhoven, C. (1996), "Association study between bipolar disorder and candidate genes involved in dopamineserotonin metabolism and GABAergic neurotransmission: a preliminary report," *Psychiatric Genetics*, 6, 213-217.
15. Croux, C., and Haesbroeck, G. (1997), "An Easy Way to Increase the Finite-Sample Efficiency of the Resampled Minimum Volume Ellipsoid Estimator," *Computational Statistics and Data Analysis*, 25, 125-141.
16. De Bodt, M., Wuyts, F., Van de Heyning, P., and Croux, C. (1997), "Test-Retest study of the GRBAS scale. The influence of experience and professional background on perceptual rating attitudes of voice quality," *Journal of Voice*, 11, 74-80.

17. Heylen, L., Wuyts, F., Mertens, F., De Bodt, M., Pattyn, J., Croux, C., Van de Heyning, P., (1998), "Evaluation of the Vocal Performance of Children Using a Voice Range Profile Index," *Journal of Speech, Language, and Hearing Research*, 41, 232-238.
18. Croux, C. (1998), "Limit Behavior of the Empirical Influence Function of the Median," *Statistics and Probability Letters*, 37, 331-340.
19. Croux, C. (1999), Comment on "Robust Principal Component Analysis for Functional Data," by Locantore, N., Marron, J.S., Simpson, D.G., Tripoli, N., Zhang, J.T., and Cohen, K.L., *Test*, 1, 41-46.
20. Croux, C., and Haesbroeck, G. (1999), "Influence Function and Efficiency of the Minimum Covariance Determinant Scatter Matrix Estimator," *Journal of Multivariate Analysis*, 71, 161-190.
21. Croux, C., and Haesbroeck, G. (2000), "Principal Component Analysis based on Robust Estimators of the Covariance or Correlation Matrix: Influence Functions and Efficiencies," *Biometrika*, 87, 603-618.
22. Croux, C., and Haesbroeck, G. (2001), "Maxbias Curves of Robust Scale Estimators Based on Subranges," *Metrika*, 53, 101-122.
23. Croux, C., Dehon, C., Rousseeuw, P.J., and Van Aelst, S. (2001), "Robust Estimation of the Conditional Median at elliptical Models," *Statistics and Probability Letters*, 51, 361-368.
24. Croux, C., Forni, M., and Reichlin, L. (2001), "A Measure of Comovement for Economic Variables: Theory and Empirics," *Review of Economics and Statistics*, 83, 232-241.
25. Croux, C., and Dehon, C. (2001), "Robust Linear Discriminant Analysis using S-estimators," *The Canadian Journal of Statistics*, 29, 473-492.
26. Croux, C., and Haesbroeck, G. (2002), "Maxbias curves of Robust Location Estimators based on Subranges," *Journal of Nonparametric Statistics*, 14, 295-306.
27. Van Loco, J., Elskens, M., Croux, C., and Beernaert, H. (2002), "Linearity of calibration curves: use and misuse of the correlation coefficient," *Accreditation and Quality Assurance*, 7, 281-285.
28. Croux, C., and Dehon, C. (2002), "Analyse canonique basée sur des estimateurs robustes de la matrice de covariance," *La Revue de Statistique Appliquée*, 2, 5-26.
29. Croux, C., and Haesbroeck, G. (2002), "A Note on Finite-Sample Efficiencies of Estimators for the Minimum Volume Ellipsoid," *Journal of Statistical Computing and Simulation*, 72, 585-596.
30. Croux, C., Haesbroeck, G. and Rousseeuw, P. (2002), "Location Adjustment for the Minimum Volume Ellipsoid Estimator," *Statistics and Computing*, 12, 191-200.

31. Croux, C., Flandre, C, and Haesbroeck, G. (2002), "The Breakdown Behavior of the Maximum Likelihood Estimator in the Logistic Regression Model," *Statistics and Probability Letters*, 60, 377-386.
32. Croux, C., and Van Aelst, C. (2002), discussion of "Nearest Neighbor Variance Estimation (NNVE): Robust Covariance Estimation via Nearest Neighbor Cleaning" by Wang, N., and Raftery, A.E., *The Journal of the American Statistical Association*, 97, 1006-1009.
33. Pison, G., Rousseeuw, P.J., Filzmoser, P., and Croux, C. (2003), "Robust Factor Analysis," *Journal of Multivariate Analysis*, 84, 145-172.
34. Croux, C. Filzmoser, P., Pison, G., and Rousseeuw, P.J. (2003), Fitting Factor Models by Robust Alternating Regressions, *Statistics and Computing*, 13, 23-36.
35. Filzmoser, P., and Croux, C. (2003), "Dimension reduction of the explanatory variables in multiple linear regression," *Pliska Studia Mathematica Bulgarica*, 14, 59-70.
36. Croux, C., and Dehon, C. (2003), "Estimators of the Multiple Correlation Coefficient: Local Robustness and Confidence Intervals," *Statistical Papers*, 44, 315-334.
37. Croux, C., Van Aelst, S., and Dehon, C., (2003), "Bounded Influence Regression using High Breakdown Scatter Matrices," *The Annals of the Institute of Statistical Mathematics*, 55, 265-285.
38. Croux, C., and Haesbroeck, G. (2003), "Implementing the Bianco and Yohai estimator for Logistic Regression," *Computational Statistics and Data Analysis*, 44, 273-295.
39. Ollila, E., Oja, H., and Croux, C. (2003), "The Affine Equivariant Sign Covariance Matrix: Asymptotic Behavior and Efficiencies," *Journal of Multivariate Analysis*, 87, 328-355.
40. Ollila, E., Croux, C., and Oja, H. (2004), "Influence Function and Asymptotic Efficiency of the Affine Equivariant Rank Covariance Matrix," *Statistica Sinica*, 14, 297-316.
41. Serneels, S, Croux, C., and Van Espen, P. (2004), "Influence Properties of Partial Least Squares Regression," *Chemometrics and Intelligent Laboratory Systems*, 71, 13-20.
42. Callens, M., and Croux, C. (2004), "Contact and Cooperation in the Belgian Fertility and Family Survey," *Survey methodology*, 30, 115-124.
43. Croux, C., Renault, E., and Werker, B. (2004), "Guest editorial: Dynamic factor models," *Journal of Econometrics*, 119, 223-230.
44. Serneels, S., Filzmoser, P., Croux, C., and Van Espen, P.J. (2005), "Robust Continuum Regression," *Chemometrics and Intelligent Laboratory Systems*, 76 (2), 197-204.

45. Lemmens, A., Croux, C., and Dekimpe, M.G. (2005), "On the predictive content of production surveys: a pan-European study," *International Journal of Forecasting*, 2, 363-367.
46. Croux, C., and Joossens, K. (2005), "Inleiding tot de Robuuste Statistiek: Elementen van theorie en bedrijfseconomische toepassingen," *Tijdschrift voor Economie en Management*, 2, 287-310.
47. Croux, C., and Ruiz-Gazen, A. (2005), "High Breakdown Estimators for Principal Components: the Projection-Pursuit Approach Revisited," *Journal of Multivariate Analysis*, 95, 206-226.
48. Branco, J.A. , Croux, C., Filzmoser, P., and Oliviera, M.R. (2005), " Robust Canonical Correlations: A Comparative Study," *Computational Statistics*, 20, 203-229.
49. Croux, C., and Callens, M. (2005), "Performance of Likelihood-Based Estimation Methods for Multilevel Binary Regression Models," *Journal of Statistical Computation and Simulation*, 75(12), 1003-1017.
50. Croux, C., and Joossens, K. (2005), "Influence of Observations on the Misclassification Probability in Quadratic Discriminant Analysis," *Journal of Multivariate Analysis*, 96, 384-403.
51. Callens, M., and Croux, C. (2005), "The Impact of Education on Third Births. A Multilevel Discrete-Time Hazard Analysis," , *Journal of Applied Statistics*, 32 (10), 1035-1050.
52. Serneels, S., Croux, C., Filzmoser, P., and Van Espen, P.J. (2005), "Partial Robust M-Regression," *Chemometrics and Intelligent Laboratory Systems*, 79, 55-64.
53. Croux, C., Dhaene, G., and Hoorelbeke, D. (2006), "Testing the Information Matrix Equality with Robust estimators," *Journal of Statistical Planning and Inference*, 136(10), 3583-3613.
54. Taskinen, S., Croux, C., Kankainen, A., Ollila, E., and Oja, H. (2006), "Canonical Analysis based on Scatter Matrices, *Journal of Multivariate Analysis*, 97(2), 359-384.
55. Lemmens, A., and Croux, C. (2006), "Bagging and Boosting Classification Trees to Predict Churn", *Journal of Marketing Research*, 42, 359-384.
56. Claeskens, C., Croux, C., and Van Kerckhoven, J. (2006), Variable selection for logistic regression using a prediction focussed information criterion, *Biometrics*, 62, 972-979.
57. Croux, C. (2006), Discussion of "Sur une limitation très générale de la dispersion de la médiane" by M. Fréchet, *Journal de la Société Française de Statistique*, 147(2), 45-49.
58. Gelper, S., Lemmens, A., and Croux, C. (2007), "Consumer Sentiment and Consumer Spending: Decomposing the Granger Causal Relationship in the Time Domain," *Applied Economics*, 39(1), 1-11.

59. Daszykowski, M., Serneels, S., Kaczmarek, K., Van Espen, P., Croux, C., and Walczak, B. (2007), "TOMCAT: a MATLAB toolbox for multivariate calibration techniques," *Chemometrics and Intelligent Laboratory Systems*, 85(2), 269-277.
60. Gelper, S., and Croux, C. (2007), "Multivariate out-of-sample tests for Granger causality," *Computational Statistics and Data Analysis*, 51(7), 3319-3329.
61. Croux, C., and Filzmoser, P. (2007), Discussion of "A Survey of Robust Statistics," by S. Morgenthaler, *Statistical Methods and Applications*, 15, 280-282.
62. Croux, C., and Filzmoser, P. (2007), "Algorithms for ProjectionPursuit robust principal component analysis," *Chemometrics and Intelligent Laboratory Systems*, 87, 218-225.
63. Lemmens, A., Croux, C., and DeKimpe, M.G. (2007), "Consumer Confidence on Europe: United in Diversity?", *International Journal of Research in Marketing*, 24(2), 113-127.
64. Lorant, V., Croux, C., Scott, W., Deliège D., Mackenbach, J., and Anseau, M. (2007), "Depression and Socio-Economic Risk Factors : a 7-year Longitudinal Population Study," *British Journal of Psychiatry*, 190(4), 293-298.
65. Croux, C., Joossens, K., and Lemmens, A. (2007), "Trimmed Bagging", *Computational Statistics and Data Analysis*, 52(1), 362-368.
66. Croux, C., Gallopoulos, E., Van Aelst, S., and Zha, H. (2007), "Editorial - Machine Learning and Robust Data Mining", *Computational Statistics and Data Analysis*, 52(1), 151-154.
67. Bramati, M. C., and Croux, C. (2007), "Robust Estimators for the Fixed Effects Panel data Model," *Econometrics Journal*, 10(3), 521-540.
68. Claeskens, G., Croux, C., and Van Kerckhoven, J. (2007), "Prediction Focused Model Selection for Autoregressive Models," *Australian and New Zealand Journal of Statistics*, 49(4), 359-379.
69. Croux, C., Filzmoser, P., and Joossens, K. (2008), "Classification Efficiencies for Robust Linear Discriminant Analysis," *Statistica Sinica*, 18(2), 581-599.
70. Agullo, J., Croux, C., and Van Aelst, S. (2008), "The Multivariate Least Trimmed Squares Estimator", *Journal of Multivariate Analysis*, 99(3), 311-318.
71. Croux, C., Haesbroeck, G., and Joossens, K. (2008), "Logistic Discrimination using Robust Estimators: an Influence Function Approach," *The Canadian Journal of Statistics*, 36(2), 157-174.
72. Croux, C., Gelper, S., and Fried, R. (2008), "Computational aspects of robust Holt-Winters smoothing based on M-Estimation," *Applications in Mathematics*, 53(3), 163-176.

73. Claeskens, G., Croux, C., and Van Kerckhoven, J. (2008), "An Information Criterion for Variable Selection in Support Vector Machines", *Journal of Machine Learning Research*, 9, 541-558
74. Lemmens, A., Croux, C., and Dekimpe, M.G. (2008), "Measuring and Testing Granger Causality over the Spectrum: An application to European Production Expectation Surveys," *International Journal of Forecasting*, 24(3), 414-431.
75. Boudt, K., Peterson, B., and Croux, C. (2008), "Estimation and Decomposition of Downside Risk for Portfolios with Non-normal Returns," *The Journal of Risk*, 11(2), 1-25.
76. Glady, N., Baesens, B., and Croux, C. (2009), "A Modified Pareto/NBD Approach for Predicting Customer Lifetime Value," *Expert Systems With Applications*, 36, 2062-2071.
77. Glady, N., and Croux, C. (2009), "Predicting Customer Wallet without Survey Data," *Journal of Service Research*, 11(3), 219-231.
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96. Gelper, S., and Croux, C. (2007), “Robust forecasting with Holt-Winters smoothing,” Seminar at the Institut de Statistique, Université Catholique de Louvain, December 14.
97. Croux, C., and Gelper, S. (2008), “Robust online estimation of scale,” Seminar at the university of Neuchâtel, May 28.
98. Croux, C., and Gelper, S. (2008), “Variable selection for time series forecasting using the groupwise LARS algorithm,” *2nd International Workshop on Computational and Financial Econometrics (CFE’08)*, Neuchâtel, June 19-21.
99. Croux, C., and Boudt, K. (2008), “Robust estimation of multivariate GARCH models,” Second Brussels-Waseda Seminar on Time Series and Financial Statistics, Brussels, June 23-24.
100. Croux, C., and Joossens, K. (2008), “Robust Estimation of the Vector Autoregressive Model by a Least Trimmed Squares procedure,” *International Conference on Computational Statistics*, Porto, August 24-29.
101. Croux, C., and Boudt, K. (2008), “Outlyingness weighted quadratic covariation,” *International Conference on Robust Statistics*, Antalya (Turkey), September 8 - 12
102. Croux, C., and Glady, N. (2008), “Predicting Customer Wallet without Survey data,” *Marketing Winter Camp*, K.U.Leuven, December 12.
103. Croux, C., and Glady, N. (2008), “Predicting Customer Wallet without Survey data,” Seminar at HEC Paris, January 29.
104. Croux, C. (2009), “Modeling Dependencies in Customer Lifetime Value with Copulas,” Seminar at Tilburg University, February 3.
105. Croux, C. (2009), “Classification Efficiencies for Robust Discriminant Analysis”, Seminar at Delft University, April 1.
106. Croux, C. (2009), “Maxbias Curves for Multivariate Regression Estimators,” Invited Speaker at the *International Conference on Robust Statistics*, Parma, June 14-19.
107. Croux, C. (2009), Discussant of the session on “Robust Statistics,” at the “HEC-Statistics and Finance” conference, Paris, October 2.
108. Croux, C. (2009), Keynote speaker at the *3rd International Conference on Computational and Financial Econometrics (CFE’09)*, Limassol (Cyprus) October 29-31.
109. Croux, C., and Dehon, C. (2009), “Robustness properties of some nonparametric correlation measures”, invited speaker at the *Nonparametric statistics and time series models, conference in honour of Prof. Marc Hallin*, Academie Royale de Belgique, November 27-29.
110. Croux, C. (2010), “Robust multivariate scale estimation,” Seminar at Dortmund University, January 12.

111. Croux, C., Glady, N., and Lemmens, A. (2010), "Modeling Within- and Across-Customer Association in Lifetime Value with Copulas," Seminar at Essec Business School, Paris (France), January 15.
112. Croux, C., and Dehon, C. (2010), "Robustness properties of some nonparametric correlation measures," Toulouse School of Economics, May 18.
113. Croux, C., and Dehon, C. (2010), "Robustness and efficiency of the Spearman and Kendall correlation measures," *3rd International Conference of the ERCIM Working Group on Computing & Statistics (ERCIM 2010)*, London, December 10-12.
114. Croux, C. (2011), "Sparse and Robust Covariance Matrix estimation," Seminar at University of Geneva, April 8.
115. Croux, C. (2011), "Sparse and Robust Covariance Matrix estimation," *Conference on New Developments in Econometrics and Time Series*, Brussels, September 12-13.
116. Croux, C., and Gelper, S. (2011), "Time series least angle regression for selecting predictive economic sentiment series", *5th International Conference on Computational and Financial Econometrics (CFE 2011)*, London, December 17-19.