

OLIVER LINTON

November, 2018
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MAILING ADDRESS:

Faculty of Economics
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CITIZENSHIP: British

PRESENT POSITION: Fellow of Trinity College and Professor of Political Economy, University of Cambridge, 2011-

PREVIOUS POSITIONS: Professor of Econometrics, Department of Economics The London School of Economics and Political Science, July 1999-2011,
Member, Financial Markets Group, 2001-2011
Professor, Department of Economics and Department of Statistics and Fellow, International Center for Finance
Yale University, July 1998–June 2000
Associate Professor,
Department of Economics
Yale University, July 1997–June 1998
Assistant Professor,
Department of Economics
Yale University, July 1993–June 1997
Junior Research Fellow
Nuffield College, Oxford University, September 1991– June 1993

CONSULTING AND PUBLIC SERVICE:

Government

Econometric Consultant, Bank of England 2018-
Econometric Consultant and Expert Witness, Financial Conduct Authority (da Vinci) 2014-15
Econometric Consultant and Expert Witness, Financial Services Authority (Swift Trade) 2008, 2012
Gave evidence to Parliamentary Commission on Banking Standards, 26/11/12.
Dept of BIS, Foresight project, Member of Lead Expert Group on Computer-based Trading, 2010-2012

Academic

"Thousand Talents plan". Renmin University
Research Professor, Monash University, 2015
Research Professor, University of Cantabria, 2015-2017
Programme Coordinator of Empirical Finance, Cambridge INET Institute, 2012-
Fellow, Centre for Microdata Methods And Practice, 2001-

Research Associate, IAM Research Program, 2002- 2005
 Econometric Consultant on T.W. Guinnane's National Institute of Health
 "Irish fertility at the turn of the Twentieth Century", 2003-2006

Private Sector

Power Financial Corporation, 2016-2017. Investigation of Canadian mutual fund fee reform
 Econometric Consultant, Rio Tinto, 2011
 Econometric Advisor, Hargreaves Lansdown, 2002-2006
 Econometric Advisor, Royal and Sun Alliance 2004-2006
 Econometric Advisor, Concordia Asset Management 2004-2005

HONORS AND PRIZES

Founding Fellow of the Institute of Applied Econometrics (2018)
 Humboldt-Forschungspreis der Alexander von Humboldt Stiftung (2015/2016)
 Fellow, Society of Financial Econometrics (2015)
 Elected Fellow, British Academy (2008)
 Elected Fellow, Econometric Society (2007)
 Fellow, Journal of Econometrics (2007)
 Elected Fellow, Institute of Mathematical Statistics (2007)
 Elected Member, International Statistical Institute (2006)
 Plurima Scripsit, Econometric Theory (2011)
 Plura Scripsit, Econometric Theory (2002)
 Multa Scripsit, Econometric Theory (1998)
 Ranked in the Top Three in World in Econometrics, 2000-2005
 World wide Econometric rankings, Econometric Theory, B. Baltagi
 Universidad Carlos III de Madrid-Banco Santander Chair of Excellence (2008-9)
 Supervisor of the year award, LSE Economics department (2009)
 Junior Faculty Fellow, Yale University (1996/97)
 Regents Fellowship, UC Berkeley, 1986
 Undergraduate Prize, LSE, 1983
 Mathematics Prize, LSE, 1982

RESEARCH SUPPORT

Keynes Fund (2016) "" £40,000 OTC markets
 Keynes Fund (2013) "The Effectiveness of Circuit Breakers on the LSE" £40,000
 ERC 2008AdG NAMSEF "Nonparametric and Semiparametric Methods in Economics
 and Finance" 2009-2014, €1,200,000
 ESRC RES-062-23-0772 "Nonparametric Methods for Empirical Finance
 and Microeconometrics" 2007-2009, £255,734.51
 LEVERHULME TRUST F/07 004/AK: 2007-2009, £85,290
 ESRC RES-051-27-0110 Research Professorship: 2004-2007, £523,066.91
 ESRC R00023952: "Advances in Semiparametric and Nonparametric
 Research" 2001-2004, [with X. Chen and P.M. Robinson] £161,530.49
 NSF SBR-9730282: "Asymptotic Approximations in Semiparametric and Separable
 Nonparametric Models" (1998-2000)
 NSF SBR-9423102: "Asymptotic Approximations in Parametric and Semiparametric
 Models" (1995-1997)
 NATO - 950150: "Generalized Additive Modelling with Applications" (1995-1997)

[with W. Härdle]

DSSRC: “Nonparametric methods in Finance and Insurance” (1999-2002)

[with C. Tanggaard and J. Nielsen]

GRADUATE STUDENTS SUPERVISED

Douglas Hodgson (Joint with P.C.B. Phillips): “Adaptive estimation in cointegrated systems” (1995, Rochester)

Zhiejie Xiao (Joint with P.C.B. Phillips): “Efficiency issues in stationary and nonstationary time series” (1997, Illinois, Urbana-Champaign)

Woocheol Kim (Joint with P.C.B. Phillips): “Nonparametric Analyses of Evolutionary Time Series and Nonlinear Additive ARCH Models” (1999, Humboldt University, Berlin)

Moto Shintani (Joint with P.C.B. Phillips) “Nonparametric Econometrics for Nonstationary and Chaotic Data” (2000, Vanderbilt)

Thong Nguyen (Joint with A. Jeffrey and P.C.B. Phillips) “Essays on the Term Structure of Interest Rates” (2000, Hong Kong UST)

Dennis Kristensen “Estimation in two classes of Semiparametric Diffusion Models” (2004, Wisconsin, Madison)

David Jacho-Chavez “Identification, Estimation and Efficiency of Nonparametric and Semiparametric Models in Microeconometrics” (2006, Indiana, Bloomington)

Cristian Huse “Essays in Empirical Economics” (2007, Stockholm School of Economics)

Anisha Ghosh, “Essays in Financial Economics” (2009, Carnegie Mellon)

Ilze Kalnina, “Essays in Financial Econometrics” (2009, Montreal University)

Sorawoot Srisuma, “Essays in Microeconometrics” (2010, Brown University)

Bonsoo Koo, “Locally stationary diffusion models with applications in Finance and Macroeconomics” (2011, Monash University)

Ziad Daoud, “Jumps in Continuous-Time Financial Econometrics” (2011, Fulcrum Asset Management)

Abhisek Banerjee, “Essays in Semiparametric Estimation of models with structural breaks” (2011, Noble Group)

Sujin Park, “Consistent estimator of ex-post covariation of discretely observed diffusion processes and its application to high frequency financial time series” (2011, Getco)

Yumin Yen, “Three Essays in Financial Econometrics” (2012, Academica Sinica)

Yang Yan, “Essays in Modelling and Estimating Value-at-Risk” (2014, Pictet Asset Management)

Lena Boneva (Körber), “Essays in panel data econometrics with cross-sectional dependence ” (2015, Bank of England)

James Brugler, “Essays in Empirical Finance ” (2015, University of Melbourne Business School)

Haihan Tang, “Essays in Big Data ” (2017, Fudan University)

Seok Young Hong (2018) University of Nottingham Business School

Jeroen Dalderop (2018) Notre Dame University

Ekaterina Smetanina (2018) University of Chicago Booth School of Business

GRADUATE STUDENTS IN PROGRESS

Alexis de Boeck, Ryan Ng, Joseph Fisher, Ondrej Tobek, Michael Ashby, Shuyi Ge, Dexter Ding, Shaoran Li, Weiguang Liu.

OTHER THESIS COMMITTEES

Yoosoon Chang, John Chao, Bin Bin Guo, Chang Sik Kim, Guido Kuersteiner,

Chin-Chin Lee, John McDermott, Alex Maynard, Juan Mora, Hyungsik Moon, Benoit Perron, Michael Sabbatini, Marcia Schafgans, Frank Schorfheide, Katsumi Shimotsu, Joaquin Ramalho, Elena Martinez-Sanchez, Stepana Lazarova, Sheng Li, Paolo Parente, Ricardo Sousa, Le-Yu Chen, Heather Battey, Jiaquin Chen, Jianbin Wu, Virginia Laca

PROFESSIONAL SERVICE

Co-Editor, *Journal of Econometrics*, 2014-2019

Co-Editor, *Econometric Theory*, 2000-2014

Co-Editor, *Econometrics Journal*, 2007-2014

Associate Editor, *Econometrica*, 2003-2006, 2006-2009, 2009-2012, 2012-2015

Associate Editor, *Journal of the American Statistical Association*

Case Studies and Applications, 2004-2007

Associate Editor, *Journal of Econometrics*, 1998-2007, 2012-2013

Guest Co-Editor (with J.P. Florens), *Special Issue of Econometric Theory on Inverse Problems*, 2008

Guest Co-Editor, *Special Issues of Journal of Econometrics*, 2004, 2006, 2010

Editorial Board, *Review of Economic Studies*, 1999-2006

Associate Editor, *Journal of Statistical Planning and Inference*, 2001

Associate Editor, *Econometric Theory*, 1996-1999

Programme Committee, *ES European Meetings*: Lausanne, 2001, Stockholm 2003, Madrid 2004, Madrid Winter 2014

World Congress London 2005, Budapest 2007, Milano 2008, Madrid Winter Meetings, 2014, World Congress Montreal 2015

Programme Committee, *SoFie*: Chicago, 2010

Regional Consultant for Great Britain and Ireland for the ESEWM, 2009-2011

External Examiner of Undergraduate Econometrics, University College London, 2002-2004

Scientific Committee, *FERM Meetings*: Peking University, 2007, 2014

Academic Planning and Resources Committee, LSE, 2001-2004

Appointments Committee, LSE, 2007-2009

Head of Junior Recruitment Committee, LSE, 2009

Review Group, Vienna Graduate School of Finance, 2013

Review Group, Economics Department, University of Copenhagen, 2011

Review Group, CREATES, University of Aarhus, 2011

Review Group, Swiss Finance Institute, 2009-2011

Programme Director, MSc Econometrics and Math Econ, LSE from Oct 2007-2010

International Advisory Board, SRM University Group, Chennai, India, 2004-

Panel of Advisors, Commonwealth Scholarship Commission, 2004-2007

Referee for other journals: *Econometrica*, *Biometrika*, *The Annals of Statistics*, *Journal of Econometrics*, *Journal of the Royal Statistical Society Series B*, *Journal of the American Statistical Association*, *Journal of Business and Economic Statistics*, *Journal of Applied Econometrics*, *Review of Economics and Statistics*, *Review of Financial Studies*, *Oxford Economic Papers*, *Journal of Mathematical Finance*, *Journal of Development Economics*, *Italian Journal of Statistics*, *Annals of the Institute of Statistical Mathematics*, *International Journal of Forecasting*, *Journal of Quantitative Economics*, *Econometric Reviews*, *Journal of Computational and Graphical Statistics*, *Statistics and Computing*, *Journal of Population Economics*, *European Journal of Finance*, *Economic and Social Science Research Council*, *National Science Foundation*, *TEST*, *Journal of*

Statistical Planning and Inference, Journal of Statistical Computation and Simulation, Statistica Sinica, Statistics and Probability Letters, Journal of Multivariate Analysis, Bernoulli, Scandinavian Journal of Statistics, Metrika, Journal of Applied Economics, Journal of Empirical Finance, Food Policy, Springer, Cambridge University Press, Tourist Management, Empirical Economics, Journal of Human Resources etc.

EDUCATION

MA, Yale University (1998)

MA, Oxford University (1993)

PhD in Economics, UC Berkeley, 1991

MSc in Econometrics and Mathematical Economics, LSE, 1986

BSc (1st Class) in Mathematics, LSE, 1983

PhD THESIS

“Edgeworth Approximation in Semiparametric Regression Models,” UC Berkeley, July 1991. PhD Advisor: Professor T. J. Rothenberg

INVITED CONFERENCE TALKS AND LECTURES

Sofie, Shanghai 2019; Econometric Society, Xiamen, 2019; Keynote speaker, FERM, Guangzhou, June 2016. Halbert White Jr. Memorial JFEC Invited Lecture, Sofie, Aarhus, June 2015, Barcelona Summer Forum, June 2015, FERM invited speaker, Beijing, June 2014, Likelihood and Simplicity, Tel Aviv, January 2014, Mathematics for New Economic Thinking, Toronto, November, 2013, SETA, ET Lecturer, Seoul, July 2013, Shandong University, July 2013, Risk, Institute Louis Bachelier <http://risk2013.institutlouisbachelier.org/>, March 2013, Research Triangle Annual Econometric conference, December 2012, NUS-IMS thematic programme on Financial Time Series, June 2012, Anniversary conference, UCL Louvain la-Neuve, May 2012, Conference in Honour of Cheng Hsiao, Chengdu, May, 2012, Belgian Statistical Society, Hasselt, Belgium, October 2011, ESEM, Oslo, August 2011, ESAM, Adelaide, July 2011, IMS, APRM, Tokyo, July 2011, National Quantitative Economics Conference, Shanghai March 2010, Conference in honour of Howell Tong, Hong Kong, November 2009, ISI Durban, August 2009 (Discussant), FEMES, Singapore, July 2008, Computation and Financial Econometrics, Neuchatel, June 2008, SETA, Seoul, May 2008, Tilburg, March 2008, Lugano, February 2008, Bergamo, January 2008, Conference in Honour of Carlo Giannini, Bristol, November, 2007, LACEA-LAMES, Bogota, October 2007, Canadian Study Group, Montreal, September 2007, University of Chicago Center for Quantitative Finance, April 2007, UCL Lectures, Louvain-la-Neuve, May 2007, CASE Lectures, Berlin, January 2007, Time Series Econometrics, Finance and Risk, Perth, WA, June 2006, CEMMAP Master Class on Nonparametrics, May, 2006, Far Eastern Econometric Society, Beijing, July 2006, Centre for Analytical Finance, Sonderborg, Denmark, June, 2006, Invited Discussant, World Congress of the Econometric Society, London, August 2005, ISI Sydney, April 2005, Semiparametrics in Rio, Rio de Janeiro, July 2004, Karlsruhe Stochastik Tage, Karlsruhe, March 2004, International Conference, Waseda University, Tokyo, January 2004, International Conference, SRM University, Chennai, India, January 2004, European Econometric Society Meetings, Stockholm, September 2003, ISI meetings, Berlin, August 2003, Far Eastern Econometric Society Meetings, Seoul, July 2004, Latin American Econometric Society Meetings, Sao Paolo, July 2002, Common Features in Rio, July 2002, Lausanne, FAME/HEC lectures July 2002, Advances and Trends in Nonparametric Statistics Crete, July 2002, Monte Verita, Ascona, April 2002, Rome, Tor Vergata, April 2002, Oberwolfach, September 2000, Interface, Chicago, June 1999, Australian Econometric Society, July 1998, Benjamin Meeker Visiting Speaker, Bristol, U.K., May 1996

CONFERENCE CO-ORGANIZATION

INET/Humboldt conference on Text mining; INET/CEMMAP conference on panel data, June, 2016; INET/CEMMAP conference on big data, June, 2015; SOFIE/INET Conference, April, 2014; CEMMAP conference on high dimensional data, November, 2013; Oberwolfach conference, Statistical inference for complex time series data, September 2013; Conference on Stochastic Dominance and Related Themes, Cambridge June 2013; Conference in Honor of Joel Horowitz, June, 2011; ERC/Cemmap conference on Robust Methodology, April, 2011; Banff conference on Nonparametric and Semiparametric Methods, April, 2009; LSE/UC3M student day, March, 2009, April 2010; CEMMAP conference on Factor models, London, November, 2008; Forecasting in Rio, August, 2008; ESRC Econometric Study Group, 2007-2009; Conference in Honour of P.M. Robinson, London, May, 2007; Sargent and Sims Colloquium, LSE, May, 2007; Oberwolfach conference on Nonparametric and Semiparametric Methods, March, 2007; Royal Economic Society, Job Market Conference, January, 2007; Programme Co-Chair, Econometric Society European Meetings, Vienna 2006; Econometric Study Group/CEMMAP conference on Nonparametric and Semiparametric Methods, May, 2006; CEMMAP conference on Testing Stochastic Dominance Restrictions, November, 2005; Econometric Study Group conference on Inverse Problems, November 2004; Semiparametrics in Rio, July 2004

PUBLICATIONS

BOOKS

- [1] *Probability, Statistics and Econometrics*. Book published by Academic Press, October 2016. 400pp. ISBN 9780128104958
- [2] *The Models and Methods of Financial Econometrics*. Cambridge University Press. January 2019. ISBN 97811071177154 (hardback), 9781316630334 (paperback), 9781316819302 (ebook)

JOURNAL ARTICLES. Forthcoming

- [142] Additive nonparametric models with time variable and both stationary and nonstationary regressors (with C. Dong) *Journal of Econometrics*
- [141] A Simple and Efficient Estimation Method for Models with Nonignorable Missing Data (with C. Ai and Z. Zheng) *Statistica Sinica*
- [140] A New Semiparametric Estimation of Large Dynamic Covariance Matrix with Multiple Conditioning Variables (with J. Chen and D. Li) *Journal of Econometrics*
- [139] Standard Errors for Nonparametric Regression (with B. Chu and D. Jacho-Chavez) *Econometric Reviews*
- [138] The behaviour of betting and currency markets on the night of the EU referendum (with T. Auld) *International Journal of Forecasting*.
- [137] Estimating the bid ask spread with a simple nonparametric method from the Roll model (with X. Chen, S. Schneeberger, and Y. Yi) *Journal of Econometrics*

2018

- [136] Implications of High-Frequency Trading for Security Markets (with Soheil Mahmoodzadeh) *Annual Review of Economics* 10:237–59. <https://doi.org/10.1146/annurev-economics-063016-104407>
- [135] Semiparametric Model Averaging of Ultra-High Dimensional Time Series (with J. Chen, D. Li and Z. Lu) *Journal of The American Statistical Association, Theory and Methods*, Vol 113, pp 919-932. [doi=10.1080/01621459.2017.1302339](https://doi.org/10.1080/01621459.2017.1302339)
- [134] Quantile Regression Applications in Finance (with X. Ziao) in *Handbook of Quantile Regression* (ed. R. Koenker) pp381-408. Chapman and Hall

2017

- [133] Classification of nonparametric regression functions in longitudinal data models (with M. Vogt) *Journal of the Royal Statistical Society, Series B.* (2017)79,Part 1, pp. 5–27
- [132] An almost closed form estimator for the EGARCH model (with C. Hafner). *Econometric Theory* Access Volume 33, Issue 4 August 2017, pp. 1013-1038
- [131] Multivariate Variance Ratio Statistics (with Hui Jun Zhang and Seok Young Hong). Halbert White Lecture, *Journal of Financial Econometrics* (2017) 15 (2): 173-222.
- [130] Similarity, dissimilarity and exceptionality: generalizing Gini's transvariation to measure "differentness" in many distributions (with G. Anderson and J. Thomas) *Metron.* (2017) 75: 161. <https://doi.org/10.1007/s40300-017-0112-4>
- [129] A Discrete Choice Model For Large Heterogeneous Panels with Interactive Fixed Effects with an Application to the Determinants of Corporate Bond Issuance (with L. Boneva) *Journal of Applied Econometrics* J Appl Econ. 2017;32:1226–1243. <https://doi.org/10.1002/jae.2568>
- [128] Semiparametric identification of the Bid-Ask Spread in Extended Roll Models (with X. Chen and Y. Yi) *Journal of Econometrics* Volume 200, Issue 2, 2017, Pages 312-325,

2016

- [127] The effect of fragmentation in Trading on Market Quality in the UK Equity Market (with L. Boneva (Körber) and M. Vogt). *Journal of Applied Econometrics* 31 192-213
- [126] Non-parametric transformation regression with non-stationary data (with Qiyang Wang). *Econometric Theory* 32, 1-29
- [125] Semiparametric Dynamic Portfolio Choice with Multiple Conditioning variables (with J. Chen, D. Li and Z. Lu) *Journal of Econometrics* Volume 194, Issue 2, Pages 309-318,
- [124] Testing the martingale hypothesis for gross returns (with E. Smetanina), *Journal of Empirical Finance*, Volume 38, Part B, 2016, Pages 664-689,
- [123] A nonparametric test of a strong leverage hypothesis (with Y.J. Whang and Y.M. Yen) *Journal of Econometrics*, 2016, vol. 194, issue 1, 153-186

- [122] The Cross-Quantilogram: Measuring Quantile Dependence and Testing Directional Predictability between Time Series (with Heejoon Han, Tatushi Oka, and Yoon Jae Whang). *Journal of Econometrics* Volume 193, Issue 1, 2016, Pages 251-270, ISSN 0304-4076, <http://dx.doi.org/10.1016/j.econometrics.2015.12.001>
- [121] Estimating the quadratic covariation matrix for an asynchronously observed continuous time signal masked by additive noise (with S. Park and S.Y. Hong) *Journal of Econometrics* 191, 325-347
- [120] Averaging of an increasing moment condition estimators (with X. Chen and D. Jacho-Chavez) *Econometric Theory* 32, 30-70.

2015

- [119] A Flexible Semiparametric Model for Time Series (with D. Li and Z. Lu) *Journal of Econometrics* Volume 187, Issue 1, Pages 345-357
- [118] A semiparametric model for heterogeneous panel data with fixed effects (with L. Boneva, O. Linton, M. Vogt), *Journal of Econometrics*, Volume 188, Issue 2, 2015, Pages 327-345,

2014

- [117] Lets Get LADE: Robust Estimation of Semiparametric Multiplicative Volatility Models (with B. Koo). *Econometric Theory*. 2014, Page 1 of 32. doi:10.1017/S0266466614000516
- [116] Testing Conditional Independence Restrictions (with P. Gozalo) *Econometric Reviews* Special issue in honour of Les Godfrey. Vol. 33, Iss. 5-6, 2014
- [115] The Regulatory Challenge of High-Frequency Markets (with M. O'Hara and J.P. Zigrand). *Risk books*. Eds. D. Easley, M. Lopez de Prado and M. O'Hara
- [114] Testing for Stochastic Dominance Efficiency (with T. Post and Y. Whang). *Econometrics Journal* 17,2 59-74.
- [113] Nonparametric Estimation of Periodic Functions and Smooth Trends (with M. Vogt). *Biometrika* 101 (1): 121-140 doi:10.1093/biomet/ast051
- [112] Nonparametric estimation of multivariate elliptic densities via finite mixture sieves (with H. Battey) *Journal of Multivariate Analysis*. Volume 123, pp 43-67.

2013

- [111] Global Bahadur Representation for nonparametric censored regression quantiles and its applications (with E. Kong and Y. Xia) *Econometric Theory*. Volume 29, Issue 05, pp 941-968
- [110] Realized Volatility: Theory and Application (with S. Park) *The Handbook of Volatility and Their Applications* (eds L. Bauwens, C. Hafner and S. Laurent), John Wiley & Sons, Inc., Hoboken, NJ, USA. doi: 10.1002/9781118272039.ch13
- [109] Estimation and Inference regarding Expected Shortfall for time series with infinite variance. (with Z. Xiao) *Econometric Theory* 29, 4, 771-807.

2012

- [108] Semiparametric Estimation of Locally Stationary Diffusion Processes (with B. Koo). *Journal of Econometrics* 170, 210-233.
- [107] Efficient Estimation of a Semiparametric Characteristic-Based Factor model for Security Returns (with G. Connor and M. Hagmann) *Econometrica* 80, 713-754
- [106] Nonparametric estimation and inference about the overlap of two distributions (with G. Anderson and Y. Whang). *Journal of Econometrics*. November 2012 issue Volume 171, issue 1, pp. 1-23.
- [105] What has happened to UK Equity Market Quality in the last decade? An analysis using daily data. Foresight project on The Future of Computer Trading in Financial Markets. <http://www.bis.gov.uk/foresight/our-work/projects/current-projects/computer-trading/working-paper>
- [104] The impact of computer trading on liquidity, price efficiency/discovery and transaction costs (with M. O'Hara) Foresight project on The Future of Computer Trading in Financial Markets. <http://www.bis.gov.uk/assets/bispartners/foresight/docs/computer-trading/11-1276-the-future-of-computer-trading-in-financial-markets> (see Financial Times <http://www.ft.com/cms/s/0/38da07-11e0-b199-00144feabdc0.html#axzz1XNEqFAwq>)
- [103] Local Linear Fitting under Near-Epoch Dependence: Uniform Consistency with Convergence Rates (with D. Li and Z. Lu). *Econometric Theory* 28, 1-24
- [102] Semiparametric Estimation of Markov Decision Processes with Continuous State Space: Discrete Control (with S.T. Srisuma). *Journal of Econometrics*. 166(2): 320-341
- [101] Making Inferences about Rich Country-Poor Country Convergence: The Polarization Trapezoid and Overlap Measures (with G. Anderson and T. Wah Leo). *Journal of Economic Growth* 17, 49-69
- 2011
- [100] Semi- and Nonparametric ARCH/GARCH-Modeling. (with Y. Yan) *Journal of Probability and Statistics* <http://dx.doi.org/10.1155/2011/906212>
- [99] Computationally and Statistically Efficient Single Index Estimation (with Y. Xia and W. Härdle). Festschrift for Leopold Simar. Eds. I. Van Keilegom. Springer, Berlin.
- [98] Nonparametric Regression with Filtered Data (with E. Mammen, J.P. Nielsen, and I. Van Keilegom). *Bernoulli* 17, 60-87
- [97] Multivariate Density Estimation using Dimensionality Reducing Model Information (with J. Nielsen, T. Buche-Larsen, and M. Guillen). *Insurance: Mathematics and Economics* 48, 99-110.
- [96] Estimating Features of a Distribution from Binomial Data (with A. Lewbel and D. McFadden) *Journal of Econometrics* 162, 170-188.
- [95] A Semiparametric Model for Climate Change (with A. Atak and Z. Xiao) *Journal of Econometrics*. 164, pp. 92-115

- [94] Evaluating Value-at-Risk Models via Quantile Regression (with Wagner Piazza Gaglianone, Luiz Renato Lima, and Daniel R. Smith) *Journal of Business and Economic Statistics* Jan 2011, Vol. 29, No. 1: 150–160.
- [93] Estimation of a Semiparametric IGARCH Model (with W. Kim) *Econometric Theory Special Issue on Inverse Problems* 27, 639-662.
- [92] Introduction to the Special Issue on Inverse Problems (with J.P. Florens) *Econometric Theory Special Issue on Inverse Problems* 27, 457-459.

2010

- [91] Bootstrap tests of stochastic dominance with asymptotic similarity on the boundary. (with K. Song and Y.J. Whang) *Journal of Econometrics* 154, 186-202
- [90] Efficient estimation of a multivariate multiplicative volatility model (with C. Hafner). *Journal of Econometrics* 159, 55-73.
- [89] Estimation for a non-stationary semi-strong GARCH(1,1) model with heavy tailed errors (with J. Pan and H. Wang) *Econometric Theory* 26, 1-28.
- [88] Evaluating Hedge Fund Returns: A stochastic dominance approach (with S. Li), in *The Handbook of Portfolio Construction: Contemporary Applications of Markowitz Techniques* ed. John Guerard, Jr. Springer Verlag Date published: 2009-12-30 ISBN-13: 9780387774381 ISBN: 0387774386
- [87] The asymptotic Distribution of Internally Corrected Kernel Estimators for Nonparametric Regression (with D. Jacho-Chavez). *TEST* 19, 166-186
- [86] Identification and Nonparametric Estimation of a transformed Additively Separable Model (with D. Jacho-Chavez and A. Lewbel). *Journal of Econometrics* 156, 392-407
- [85] Uniform Bahadur Representation for Local Polynomial Estimates of M-Regression and its application (with E. Kong and Y. Xia) *Econometric Theory* 26, 1529-1564

2009

- [84] Semi- and Nonparametric ARCH/GARCH-Modeling. *Handbook of Financial Time Series* eds. Anderson, Davis, Kreiss, and Mikosch.
- [83] Testing for Stochastic Monotonicity (with S. Lee and Y. Whang) *Econometrica* 77, 585-602
- [82] A nonparametric threshold model with application to zero returns. *FERM Special Issue of Statistics and Its Interface* 1.2, 321-326.
- [81] Consistent Estimation of A General Nonparametric Regression Function in Time Series (with A. Sancetta) *Journal of Econometrics* 152, 70-78.
- [80] Nonparametric Regression with a Latent Time Series (with J.P. Nielsen and S.F. Nielsen) *Econometrics Journal* 12, 187-207.

2008

- [79] Nonparametric Transformation to White Noise (with E. Mammen) *Journal of Econometrics* 141, 241-264.
- [78] Estimating Quadratic Variation Consistently in the presence of Correlated Measurement Error (with I. Kalnina) *Journal of Econometrics* 147, 47-59.
- [77] Estimation of a Semiparametric Transformation Model by Minimum Distance (with S. Sperlich and I. Van Keilegom) *The Annals of Statistics* 36, 686-718.
- [76] ARCH Models *The New Palgrave Dictionary of Economics, 2nd Edition*, Edited by Steven N. Durlauf and Lawrence E. Blum
- [75] Local Regression Models *The New Palgrave Dictionary of Economics, 2nd Edition*, Edited by Steven N. Durlauf and Lawrence E. Blum

2007

- [74] Asymptotic Distributions for Local Polynomial Nonparametric Regression Estimators under weak dependence (with Z. Lu) *Econometric Theory* 23, 37-70.
- [73] A Nonparametric Regression Estimator that Adapts to Error Distribution of Unknown Form (with Z. Xiao) *Econometric Theory* 23, 371-413
- [72] Nonparametric Matching and Efficient Estimators of Homothetically Separable Functions (with A. Lewbel) *Econometrica*, 75, 1209-1228.
- [71] Discussion of Ait-Sahalia and Shephard (with I. Kalnina) *World Congress, Cambridge University Press*
- [70] Semiparametric Estimation of A Characteristic Based Factor Model (with G. Connor). *Journal of Empirical Finance* 14, 694-717.
- [69] Are There Monday Effects in Stock Markets? A Stochastic Dominance Approach (with Y. Cho and Y. Whang) *Journal of Empirical Finance* 14, 736-755.
- [68] A Quantilegram approach to testing for Directional Predictability (with Y. Whang) *Journal of Econometrics* 141, 250-282.
- [67] A Smoothed Least Squares Estimator for the Threshold Regression Model (with M. Seo) *Journal of Econometrics* 141, 704-735
- [66] Higher-order Asymptotic Theory when a parameter is on the boundary with an application to GARCH Models (with E. Iglesias) *Econometric Theory* 23, 1136-1161

2006

- [65] Flexible Term Structure Estimation: Which Method is Preferred? (with A. Jeffrey and T. Nguyen) *Metrika* January, 1-24.
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