OLIVER LINTON

May, 2021
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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 2018-2019
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
Advisor to Fujen Education and Torhea Education, 2020-
"Thousand Talents plan". Renmin University, 2018-2021
Research Professor, Monash University, 2015-2021
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
Freshfields, Bruckhaus, Derringer 2020- Independent Expert Advisor to the Volkswagen NOx emissions group litigation case
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. Risk management.

HONORS AND PRIZES
President Elect, Society for Financial Econometrics (2021-2023)
Founding Fellow of the International Association for 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 Microconometrics” (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)
Ondrej Tobek (2019, Private Sector)
Joseph Fisher (2020, Microsoft)

GRADUATE STUDENTS IN PROGRESS
Alexis de Boeck, Ryan Ng, Michael Ashby, Shuyi Ge, Dexter Ding, Shaoran Li, Weiguang Liu, Mingmei Xiao.

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 Lacal

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
Chair of University of Cambridge UoA16 REF2021 committee, 2017-2021
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 Aarhuis, 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, Karslruhe, 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

SoFiE Annual Conference, Cambridge 2022, 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

[162] A ReMeDI for microstructure noise (with Z. Merrick Li) Cambridge working paper in Economics 1908. *Econometrica*

[161] A Semiparametric Characteristics-based Factor Model: A Dynamic Network of Arbitrage Characteristics (with S. Ge and S. Li) *Journal of Business and Economic Statistics.*

[160] On Unit Free Assessment of The Extent of Multilateral Distributional Variation (with G. Anderson, G. Pittao, Y. Whang, and R. Zelli) *Econometrics Journal*

[159] A unified Framework for Efficient estimation of General Treatment models (with C. Ai, K. Motegi, and Z. Zhang) *Quantitative Economics.* https://qeconomics.org/ojs/forth/1494/1494-2.pdf

[158] Estimation and Inference of Counterfactual Distribution and Quantile Functions in Continuous Treatment Models. (with C. Ai and Z. Zhang) *Journal of Econometrics*

[157] The lower regression function and testing the expectation dependence dominance hypothesis (with Y. Whang and Y. Yen). *Econometric Reviews*

[156] Nonparametric Euler Equation Identification and Estimation (with A. Lewbel, S.T. Srisuma, S. Hoderlein and J.C. Escanciano) *Econometric Theory* https://doi.org/10.1017/S0266466620000365

[155] Estimation of the Kronecker Covariance Model by Quadratic Form (with H. Tang) *Econometric Theory*, 1-54. doi:10.1017/S026646662000050X

2020

[154] A Coupled Component DCS GARCH model for intraday and overnight volatility (with J. Wu) *Journal of Econometrics* Journal of Econometrics Volume 217, Issue 1, July 2020, Pages 176-201

[153] Estimation of an infinite order nonparametric regression (with Seok Young Hong) *Journal of Econometrics* Journal of Econometrics Volume 219, Issue 2, December 2020, Pages 389-424

[152] A weighted sieve estimation method for nonparametric time series models with nonstationary variables (with C. Dong and B. Peng) *Journal of Econometrics* https://doi.org/10.1016/j.jeconom.202

[151] Standard Errors for Nonparametric Regression (with B. Chu and D. Jacho-Chavez) *Econometric Reviews* https://doi.org/10.1080/07474938.2020.1772563

[150] Estimation and inference in semiparametric quantile factor model (S. Ma and J. Gao) (Special issue FERM 2018 *Journal of Econometrics*)

[149] Quantilograms under Strong dependence (with J.H. Lee and Y.J. Whang) *Econometric Theory* Volume 36, Issue 3 June 2020 , pp. 457-487

[148] When will the COVID-19 pandemic peak? (with S.Li) *Journal of Econometrics* https://doi.org/10.1016/j.

[147] Multiscale Clustering of Nonparametric Regression Curves (with M. Vogt) (Special issue for Tsao) *Journal of Econometrics*, 2020, vol. 216, issue 1, 305-325

[146] Nonparametric recovery of the yield curve evolution from cross-section and time series information (with B. Koo and D. La Vecchia) *Journal of Econometrics May 2020*

[145] Estimation of a multiplicative correlation structure in the large dimensional case (with Christian Hafner and Haihan Tang) *Journal of Econometrics* Volume 217, Issue 2, August 2020, Pages 431-470

[144] Inference on power law with time-varying coefficient (with J. Gao and B. Peng) *Econometric Theory* vol. 36, issue 2, p. 223-249.

[143] An Empirical Analysis of Circuit Breakers on the London Stock Exchange. (with James Brugler, Lucas Pedace and J. Noss) *Market Microstructure and Liquidity* Vol. 4, Nos. 3&4 (2018) 1950008 (33 pages)

2019

[142] A new semiparametric estimation approach for large dynamic covariance matrices with multiple conditioning variables (with J. Chen and D. Li), *Journal of Econometrics*, 212, pp 155-176,

[141] A Simple and Efficient Estimation Method for Models with Nonignorable Missing Data (with C. Ai and Z. Zheng) *Statistica Sinica* http://www3.stat.sinica.edu.tw/preprint/SS-2018-0107_Preprint.pdf

[140] 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* 208, Issue 1, pp 160-178,

[139] Efficient estimation of nonparametric regression in the presence of dynamic heteroskedasticity (with Z. Xiao) *Journal of Econometrics* https://www.sciencedirect.com/science/article/pii/S03044076

[138] The behaviour of betting and currency markets on the night of the EU referendum (with T. Auld) *International Journal of Forecasting* 35, 371-389

2018

[137] Additive nonparametric models with time variable and both stationary and nonstationary regressors (with C. Dong) *Journal of Econometrics* 207, Issue 1, pp 212-236,

[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*

[134] Quantile Regresion 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 Qiying 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.

[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/0/38 da07-11e0-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

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