Curriculum Vitae

Richard Paap

July 16, 2019

Personal Details

Family name	: Paap
First name	: Richard
Citizenship	: Dutch
Gender	: male
Work address	: P.O. Box 1738, NL-3000 DR Rotterdam, The Netherlands

Education

November 27, 1997, Ph.D. degree (cum laude) from the Erasmus University Rotterdam (title Ph.D. thesis: Markov Trends in Macroeconomic Time Series; promotor and supervisor: Prof. Dr. H.K. van Dijk)

October 1993 – November 1997, Ph.D. student at the Tinbergen Institute of the Erasmus University Rotterdam (Tinbergen Institute Graduate Program in Economics, 1400 hours)

August 30, 1993: Master degree in econometrics from the Erasmus University Rotterdam (title master thesis: Periodic Time Series Models (in Dutch); supervisor: Prof. Dr. P.H.B.F. Franses)

September 1988 – September 1993, undergraduate student in Econometrics at the Erasmus University Rotterdam

August 1982 – July 1988, high-school student (V.W.O.; Gymnasium β) at the "Openbare Scholengemeenschap Hugo de Groot" in Rotterdam (graduation June 13, 1988)

Academic Positions

July 1, 2012 – present, Professor in Econometrics at the Econometric Institute, Erasmus University Rotterdam

July 1, 2008 – July 1, 2012, Endowed Professor in Econometrics & Marketing at the Econometric Institute, Erasmus University Rotterdam

January 1, 2005 – July 1, 2008, Associate Professor in Econometrics at the Econometric Institute, Erasmus University Rotterdam

January 1, 2002 – January 1, 2005, postdoctoral researcher (EUR fellowship) at the Econometric Institute, Erasmus University Rotterdam

January 1, 2000 – January 1, 2002, postdoctoral researcher (personal research grant (PPS) from the Netherlands Organization for Scientific Research (N.W.O.)) at the Rotterdam Institute for Business Economic Studies, Erasmus University Rotterdam

January 1, 1998 – January 1, 2000, postdoctoral researcher (EUR fellowship) at the Rotterdam Institute for Business Economic Studies, Erasmus University Rotterdam

October 1, 1993 – October 1, 1997, junior researcher (N.W.O. Ph.D. student) at Tinbergen Institute, Erasmus University Rotterdam

December 16, 1992 – October 1, 1993, research assistant at the Econometric Institute, Erasmus School of Economics, Erasmus University Rotterdam

Research Institute Affiliations

Research fellow of the Tinbergen Institute since 1999

Member of ERIM (Erasmus Research Institute of Management) since 1999

Research Interests

Time series analysis (Markov switching models, seasonality, cointegration and forecasting)

Modeling of household scanner panel data (choice modeling and duration analysis)

Modeling of sales and market shares

Bayesian analysis

Model averaging

Simulation methods (MCMC sampling)

Publications

International Journals

Wang, W., X. Zhang & R. Paap, To Pool or Not to Pool: What Is a Good Strategy for Parameter Estimation and Forecasting in Panel Regressions?, 2019, *Journal of Applied*

Econometrics, to appear.

Nibbering, D., R. Paap & M. van der Wel, 2018, What do Professional Forecasters Actually Predict?, *International Journal of Forecasting*, 34, 288-311.

Bel, K., D. Fok & R. Paap, 2018, Parameter Estimation in Multivariate Logit models with Many Binary Choices, *Econometric Reviews*, 37, 534-550.

Franses, P.H., R. Legerstee & R. Paap, 2017, Estimating Loss Functions of Experts, *Applied Economics*, 49, 386-396.

Bel, K. & R. Paap, 2016, Modeling the Impact of Forecast-based Regime Switches on US Inflation, *International Journal of Forecasting*, 32, 1306-1316.

Lourenço, C., E. Gijsbrechts & R. Paap, 2015, The Impact of Category Prices on Store Price Image Formation: An Empirical Analysis, *Journal of Marketing Research*, vol. 52, 200-216.

Fok, D., R. Paap & P.H. Franses, 2014, Incorporating Responsiveness to Marketing Efforts in Brand Choice Modeling, *Econometrics*, vol. 2, 20-44.

Çakmaklı, C., R. Paap & D.J.C. van Dijk, 2013, Measuring and Predicting Heterogeneous Recessions, *Journal of Economic Dynamics & Control*, vol. 37, 2195-2216.

Van den Hauwe, S., R. Paap, & D.J.C. van Dijk, 2013, Bayesian Forecasting of Federal Funds Target Rate Decisions, *Journal of Macroeconomics*, vol. 37, 19-40.

Groen, J.J.J., R. Paap & F. Ravazzolo, 2013, Real-time Inflation Forecasting in a Changing World, *Journal of Business & Economic Statistics*, vol. 31, 29-44.

Paap, R. & P.H. Franses, 2013, Common Large Innovations Across Nonlinear Time Series, *Studies in Nonlinear Dynamics & Econometrics*, vol. 17, 251-263.

Horváth, Cs. & R. Paap, 2012, The Effect of Recessions on Gambling Expenditures, *Journal of Gambling Studies*, vol. 28, 703-717.

Fidrmuc, J.P., P. Roosenboom, R. Paap & T. Teunissen, 2012, One Size does not fit all: Selling Firms to Private Equity versus Strategic Acquirers, *Journal of Corporate Finance*, vol. 18, 828-848.

Geweke, J.F., G. Koop & R. Paap, 2012, Editorial Introduction for the Annals Issue of the Journal of Econometrics on Bayesian Models, Methods and Applications, *Journal of Econometrics*, vol. 171, 99-100.

Fok, D., R. Paap & B. van Dijk, 2012, A Rank-ordered Logit Model with Unobserved Heterogeneity in Ranking Capabilities, *Journal of Applied Econometrics*, vol. 27, 831-846.

Fok, D., R. Paap & P.H. Franses, 2012, Modeling Dynamic Effects of Promotion on Interpurchase Times, *Computational Statistics and Data Analysis*, vol. 56, 3055-3069.

Baştürk, N., R. Paap & D.J.C. van Dijk, 2012, Structural Differences in Economic Growth: An Endogenous Clustering Approach, *Applied Economics*, vol. 44, 119-134.

van Dijk, B., P.H. Franses, R. Paap, & D.J.C. van Dijk, 2011, Modeling Regional House Prices, *Applied Economics*, vol. 43, 2097-2110.

Franses, P.H. & R. Paap, 2011, Random-Coefficient Periodic Autoregressions, *Statistica Neerlandica*, vol. 65, 1-15.

Horváth, Cs., A. Günther & R. Paap, 2010, Seasonal Patterns in Slot-Machine Gambling in Germany, *International Gambling Studies*, vol. 10, 255-268.

van Nierop, E., B. Bronnenberg, R. Paap, M. Wedel & P.H. Franses, 2010, Retrieving Unobserved Consideration Sets from Household Panel Data, *Journal of Marketing Research*, vol. 47, 63-74.

Paap, R. R. Segers & D.J.C. van Dijk, 2009, Do Leading Indicators lead Peaks more than Troughs?, *Journal of Business & Economic Statistics*, vol. 27, 528-543.

De Boer, P. & R. Paap, 2009, Testing Non-nested Demand Relations: Linear Expenditure System versus Indirect Addilog, *Statistica Neerlandica*, vol. 63, 368-384.

Fok, D. & R. Paap 2009, Modeling Category-level Purchase Timing with Brand-level Marketing Variables, *Journal of Applied Econometrics*, vol. 24, 469-489.

Chintagunta, P., P.H. Franses & R. Paap, 2009, Introduction to the Special Issue on New Econometric Models in Marketing, *Journal of Applied Econometrics*, vol. 24, 375-376.

van Dijk, B. & R. Paap, 2008, Explaining Individual Response using Aggregated Data, *Journal of Econometrics*, vol. 146, 1-9.

Brouwer, J., R. Paap & J-M. Viaene, 2008, The Trade and FDI Effects of EMU Enlargement, *Journal of International Money and Finance*, vol. 27, 188-208.

Franses, P.H., M. van der Leij & R. Paap, 2008, A Simple Test for GARCH against a Stochastic Volatility Model, *Journal of Financial Econometrics*, vol. 6, 291-306.

Fok, D., P.H. Franses & R. Paap, 2007, Seasonality and Non-linear Price Effects in Scanner-data based Market-response Models, *Journal of Econometrics*, vol. 138, 231-254.

Geweke, J.F., P.J.F. Groenen, R. Paap & H.K. van Dijk, 2007, Computational Techniques for Applied Econometric Analysis of Macroeconomic and Financial Time Processes (editorial introduction), *Computational Statistics and Data Analysis*, vol. 51, 3506-3508.

Bijwaard, G.E, P.H. Franses & R. Paap, 2006, Modeling Purchases as Repeated Events, *Journal of Business & Economic Statistics*, vol. 24, 487-502.

Fok, D., Cs. Horváth, R. Paap & P.H. Franses, 2006, A Hierarchical Bayes Error Correction Model to Explain Dynamic Effects of Price Changes, *Journal of Marketing*

Research, vol. 43, 443-461.

Kleibergen, F. & R. Paap, 2006, Generalized Reduced Rank Tests using the Singular Value Decomposition, *Journal of Econometrics*, vol. 133, 97-126.

Donkers, B., R. Paap, J.J. Jonker & P.H. Franses, 2006, Deriving Target Selection Rules from Endogenously Selected Samples, *Journal of Applied Econometrics*, vol. 21, 549-562.

Paap, R., P.H. Franses & D.J.C. van Dijk, 2005, Does Africa grow slower than Asia, Latin America and the Middle East? Evidence from a New Data-based Classification Method, *Journal of Development Economics*, vol. 77, 553-570.

Paap, R., E. van Nierop, H.J. van Heerde, M. Wedel, P.H. Franses & K.J. Alsem, 2005, Consideration Sets, Intentions and the Inclusion of "Don't Know" in a Two-Stage Model for Voter Choice, *International Journal of Forecasting*, vol. 21, 53-71.

Franses, P.H., R. Paap & B. Vroomen, 2004, Forecasting Unemployment using an Autoregression with Censored Latent Effects Parameters, *International Journal of Forecasting*, vol. 20, 255-271.

Paap, R. & H.K. van Dijk, 2003, Bayes Estimates of Markov Trends in Possibly Cointegrated Series: An Application to US Consumption and Income, *Journal of Business & Economic Statistics*, vol. 21, 547-563.

Kippers, J., E. van Nierop, R. Paap & P.H. Franses, 2003, An Empirical Study of Cash Payments, *Statistica Neerlandica*, vol. 57, 484-508.

Kleibergen, F. & R. Paap, 2002, Priors, Posteriors and Bayes Factors for a Bayesian Analysis of Cointegration, *Journal of Econometrics*, vol. 111, 223-249.

Franses, P.H., M.J. van der Leij & R. Paap 2002, Modeling and Forecasting Level Shifts in Absolute Returns, *Journal of Applied Econometrics*, vol. 17, 601-616.

van Dijk, D.J.C., P.H. Franses & R. Paap, 2002, A Nonlinear Long Memory Model for US Unemployment, *Journal of Econometrics*, vol. 110, 135-165.

Franses, P.H. & R. Paap, 2002, Censored Latent Effects Autoregression with an Application to US Unemployment, *Journal of Applied Econometrics*, vol. 17, 347-366.

Paap, R., 2002, What are the Advantages of MCMC Based Inference in Latent Variable Models?, *Statistica Neerlandica*, vol. 56, 2-22.

Paap, R. & P.H. Franses, 2000, A Dynamic Multinomial Probit Model for Brand Choice with Different Long-run and Short-run Effects of Marketing-mix Variables, *Journal of Applied Econometrics*, vol. 15, 717-744.

Franses, P.H. & R. Paap, 2000, Modeling Changing Day of the week Seasonality in Stock Returns and Volatility, *Applied Financial Economics*, vol. 10, 483-488.

Paap, R. & H.K. van Dijk, 1999, Posterior Evidence on the Permanent Income Hypothesis,

Bulletin EU& US Inflation and Macroeconomic Analysis, vol. 58, University Carlos III, Madrid, 48-52.

Paap, R. & P.H. Franses, 1999, On Trends and Constants in Periodic Autoregressions, *Econometric Reviews*, vol. 18, 271-286.

Franses, P.H. & R. Paap, 1999, Does Seasonal Adjustment Change Inference from Markov Switching Models?, *Journal of Macroeconomics*, vol. 21, 79-92.

Paap, R. & H.K van Dijk, 1998, Distribution and Mobility of Wealth of Nations, *European Economic Review*, vol. 42, 1269-1293.

Paap, R., P.H. Franses & H. Hoek, 1997, Mean Shifts, Unit Roots and Forecasting Seasonal Time Series, *International Journal of Forecasting*, vol. 13, 355-378.

Franses, P.H., H. Hoek & R. Paap, 1997, Bayesian Analysis of Seasonal Unit Roots and Seasonal Mean Shifts, *Journal of Econometrics*, vol. 78, 359-380.

Franses, P.H. & R. Paap, 1996, Periodic Integration: Further Results on Model Selection and Forecasting, *Statistical Papers*, vol. 37, 33-52.

Franses, P.H. & R. Paap, 1995, Seasonality and Stochastic Trends in German Consumption and Income, 1960.1–1987.4, *Empirical Economics*, vol. 20, 109-132.

Franses, P.H. & R. Paap, 1995, Moving Average Filters and Periodic Integration, *Mathematics and Computers in Simulation*, vol. 39, 245-249.

Franses, P.H. & R. Paap, 1994, Model Selection in Periodic Autoregressions, *Oxford Bulletin of Economics and Statistics*, vol. 56, 421-439.

Books

Franses, P.H. & R. Paap, 2004, *Periodic Time Series Models*, Oxford University Press, Oxford, 147 pages.

Franses, P.H. & R. Paap, 2001, *Quantitative Models in Marketing Research*, Cambridge University Press, Cambridge, 206 pages.

Paap, R., 1997, *Markov Trends in Macroeconomic Time Series*, Ph.D. thesis, Tinbergen Institute Research Series, no. 171, Thesis Publishers, Amsterdam, 168 pages.

Book Contributions

Paap, R. & H.K. van Dijk, Distribution and Mobility of Wealth of Nations, 2008, *Modeling Income Distributions and Lorenz Curves Series: Economic Studies in Inequality, Social Exclusion and Well-Being*, vol. 5, by D. Chotikapanich, Springer, Chapter 5, 71–94.

Ravazzolo, F., R. Paap, D.J.C. van Dijk & P.H. Franses, 2008, Bayesian Model Averaging in the Presence of Structural Breaks, *Forecasting in the Presence of Structural Breaks* *and Model Uncertainty - Frontiers of Economics and Globalization Series*, vol. 3, by D.E. Rapach & M.E. Wohar, Emerald, Chapter 15, 561-593.

Fok, D., P.H. Franses & R. Paap, 2006, Performance of Seasonal Adjustment Procedures: Simulation and Empirical Results, *Palgrave Handbook of Econometrics*, vol. 1, Econometric Theory by T.C. Mills & K. Patterson, Palgrave MacMillan, Chapter 29, 1035-1055.

Fok, D., P.H. Franses & R. Paap, 2002, Econometric Analysis of the Market Share Attraction Model, in *Advances in Econometrics*, vol 16, by P.H. Franses & A.L. Montgomery, JAI Press, Chapter 10, 221-254.

Franses, P.H. & R. Paap, 2002, Forecasting with Periodic Time-Series Models, in *A Companion to Economic Forecasting* by M.P. Clements & D. Hendry, Blackwell Publisher, Oxford, Chapter 19, 432-452.

Proceedings

Kippers, J., E. van Nierop, R. Paap & P.H. Franses, 2001, Modeling Cash Payments, *Proceedings of the Joint Statistical Meetings 2001*, August 2001, Atlanta, United States.

Fok, D., P.H. Franses & R. Paap, 2000, Forecasting Market Shares from Attraction Models: Some First Simulation Results, *Proceedings of the 29th EMAC Conference*, May 2000, Rotterdam, The Netherlands.

Jonker, J.J.J., R. Paap & P.H. Franses, 2000, Are RFM Variables Useful for Predicting the Response to Charity Fund Direct Mailings?, *Proceedings of the 29th EMAC Conference*, May 2000, Rotterdam, The Netherlands.

Dutch Journals

Lourenço, C., E. Gijsbrechts, and R. Paap, 2016, De invloed van categorieprijzen op prijsimago van supermarkten, *Tijdschrift voor Marketing*, July issue.

Baştürk, N. R. Paap & D.J.C. van Dijk, 2012, Structural Differences in Economic Growth: An Endogeneous Clustering Approach, *Medium Econometrische Toepassingen*, vol. 18, nr. 4, 4-11.

Kippers, J., P.H. Franses, E. van Nierop & R. Paap, 2002, Hoe Betalen we Eigenlijk?, *Economisch Statistische Berichten*, nr. 4385, 847-850.

Paap, R., 2001, Modelleren van Scanner Panel Data, *Medium Econometrische Toepassingen*, vol. 9, nr. 3, 12-15.

Paap, R. 1995, Trends in Periodic Autoregressions, *Tinbergen Institute Research Bulletin*, vol. 7, 1-12.

Van Gameren, E., D.E.G. Moolenaar & R. Paap, 1993, Evaluatie van Modelselectie met

Voorspelcriteria, *Kwantitatieve Methoden*, vol. 44, 45-57.

Book Reviews

Paap, R., 2007, Contemporary Bayesian Econometrics and Statistics by John Geweke, Wiley, New Jersey, 2005, *International Journal of Forecasting*, vol. 23, 531.

Seminars

A Multivariate Model for Multinomial Choices, March 5, 2015, Maastricht University, Maastricht, The Netherlands.

Real-time Inflation Forecasting in a Changing World, October 8, 2010, Tinbergen Institute, University of Amsterdam, The Netherlands.

Real-time Inflation Forecasting in a Changing World, March 19, 2010, University of Sydney, Australia.

A Rank-Ordered Logit Model with Unobserved Heterogeneity in Ranking Capabilities, March 12, 2010, CenSoC, University of Technology Sydney, Australia.

Real-time Inflation Forecasting in a Changing World, February 19, 2010, Monash University, Melbourne, Australia.

A Rank-Ordered Logit Model with Unobserved Heterogeneity in Ranking Capabilities, May 19, 2009, Katholieke Universiteit Leuven, Belgium.

Do Leading Indicators Lead Peaks more than Troughs?, October 4, 2007, CREATES, University of Århus, Denmark.

Do Leading Indicators Lead Peaks more than Troughs?, April 5, 2007, HEC Montréal, Montréal, Canada.

Explaining Individual Response using Aggregated Data, December 7, 2005, Facultes Universitaires Notre-Dame de la Paix, Namur, Belgium.

Explaining Individual Response using Aggregated Data, October 21, 2005, Université Catholique de Louvain, Louvain-la-Neuve, Belgium.

Explaining Individual Response using Aggregated Data, October 6, 2005, Institute for Advanced Studies, Vienna, Austria.

Deriving Target Selection Rules for a Dutch Charity, October 14, 2004, Radboud University Nijmegen, Nijmegen, The Netherlands.

Deriving Target Selection Rules from Endogenously Selected Samples, March 25, 2004, University of Amsterdam, Amsterdam, The Netherlands.

Deriving Target Selection Rules from Endogenously Selected Samples, March 11, 2004, University of Leicester, Leicester, United Kingdom.

Generalized Reduced Rank Tests using the Singular Value Decomposition, May 16, 2002, Econometric Institute, Rotterdam, The Netherlands.

Modeling Unobserved Consideration Sets for Household Panel Data, November 14, 2001, Tilburg University, Tilburg, The Netherlands.

Modeling Unobserved Consideration Sets for Household Panel Data, April 2, 2001, Research on Monday, Tinbergen Institute, Rotterdam, The Netherlands.

Modeling Unobserved Consideration Sets for Household Panel Data, January 11, 2001, Maastricht University, Maastricht, The Netherlands.

Modeling Unobserved Consideration Sets for Household Panel Data, December 6, 2000, Université Catholique de Louvain, Louvain-la-Neuve, Belgium.

An Autoregression with Censored Latent Effects Parameters, January 24, 2000, GREQAM, Marseilles, France.

Estimating Dynamic Effects of Promotions on Brand Choice, December 15, 1999, University of Groningen, Groningen, The Netherlands.

Priors, Posterior Odds and Lagrange Multiplier Statistics in Bayesian Analyses of Cointegration, May 14, 1997, Université Catholique de Louvain, Louvain-la-Neuve, Belgium.

Priors, Posterior Odds and Lagrange Multiplier Statistics in Bayesian Analyses of Cointegration, October 31, 1996, Econometric Institute Seminar, Tinbergen Institute, Rotterdam, the Netherlands.

Modelling Seasonality in Time Series Data, November 2, 1995, Ph.D. lunch seminar, Tinbergen Institute, Rotterdam, the Netherlands.

Bayesian Analysis of the Hamilton Model, August 24, 1994, University of New South Wales, Sydney, Australia.

Bayesian Unit Root Inference in the Hamilton Model, August 19, 1994, Monash University, Melbourne, Australia.

Markov Switching Regime Models, December 8, 1993, Tinbergen Institute Econometrics, Tinbergen Institute, Rotterdam, the Netherlands.

Workshops

What do Professional Forecasters Actually Predict?, November 6, 2015, workshop "Advances in Time Series and Econometrics", Paris, France.

Deriving Target Selection Rules from Endogenously Selected Samples, April 28, 2004, Statistische Dag 2004, Vereniging voor Statistiek en Operational Research (VVS), Vrije Universiteit, Amsterdam, The Netherlands.

What is the Gain of Simulation-based Inference in Statistical Modeling?, April 9, 2001, Statistische Dag 2001, Vereniging voor Statistiek en Operational Research (VVS), Jaarbeurs Congrescentrum, Utrecht, The Netherlands.

Bayes Estimates of Markov Trends in Possibly Cointegrated Series: An Application to US Consumption and Income, October 13, 2000, NAKE Research Day, Dutch Central Bank, Amsterdam, The Netherlands.

Evaluating Dynamic Effects of Promotions on Brand Choice, November 5, 1999, workshop "Advanced Methods of Marketing Research", Erasmus University Rotterdam, Rotterdam, The Netherlands.

Censored Latent Effects Autoregresssion with an Application to US Unemployment, October 23, 1998, NAKE Research Day, University of Amsterdam, Amsterdam, the Netherlands.

Censored Latent Effects Autoregresssion with an Application to US Unemployment, October 21, 1998, Tinbergen Institute workshop "Time Series Econometrics", Tinbergen Institute, Rotterdam, the Netherlands.

Simulating Posterior Distributions in the Cointegration Model, November 7, 1997, workshop "Markov Chain Monte Carlo", Tinbergen Institute, Rotterdam, the Netherlands.

Priors, Posterior Odds and Lagrange Multiplier Statistics in Bayesian Analyses of Cointegration, May 1, 1997, workshop "Contemporary Bayesian Econometrics", Tinbergen Institute, Rotterdam, the Netherlands.

Bayesian Analysis of Seasonal Unit Roots and Seasonal Mean Shifts, June 20, 1996, workshop "Recent Developments in Bayesian Time Series Econometrics", Tinbergen Institute, Rotterdam, the Netherlands.

Bayesian Analysis of Seasonal Unit Roots and Seasonal Mean Shifts, May 23, 1995, Tinbergen Institute. workshop "The Statistical Analysis of Econometric Models for I(1) and I(2) Variables", Tinbergen Institute, Amsterdam, the Netherlands.

Distribution and Mobility of Wealth of Nations, February 17, 1995, workshop "Longitudinal Econometrics", Tilburg University (CentER), Tilburg, the Netherlands.

Bayesian Unit Root Analysis in the Hamilton model, December 16, 1994, workshop "Séminaire Statistique", Nuffield College, Oxford, United Kingdom.

Visits

February-March 2010: Guest Professor at CenSoC, University of Technology Sydney (Sydney, Australia)

August 1994: Guest PhD student at University of New South Wales (Sydney, Australia)

Awards

Distinguished Author of the *Journal of Applied Econometrics* since 2013.

Top Senior Researcher of the Erasmus School of Economics 2012.

Ranked 36 in Dutch Economist Top 40 in 2011.

ERIM High performance member in 2011, 2012, 2013, 2014 and 2015.

Top 10 researcher of the Erasmus School of Economics in 2003, 2004, 2005, 2006 and 2007.

Top Lecturer Award Erasmus School of Economics 2015

Nominated for best teacher of the Erasmus School of Economics, Erasmus University Rotterdam in 2007.

ERIM Book Award (*Quantitative Models in Marketing Research*) in 2003.

ERIM Award for outstanding performance by a young researcher in 2002.

Ph.D. thesis nomination for the "Christiaan Huygens Science Prize" in 1999.

Ph.D. thesis nomination for the "Savage Award" in 1998.

Grants

NWO (Netherlands Organization for Scientific Research) Free Competition Grant for PhD project *Semi- and Nonparametric Bayesian Inference* (2010-2012)

EUR fellowship (research grant from the Erasmus University Rotterdam) for the project *Econometric Models for Advanced Marketing Research* (2002–2005)

Personal Research Grant (PPS) from N.W.O. for the project *Econometric Choice Models in the Marketing* (2000–2002)

EUR fellowship for the project *Econometric Analysis of Large Marketing Data Sets* (1998–2000)

N.W.O. grant for PhD project *Common Cycles and Common Trends* (1993–1997)

Supervision Ph.D. Students

Promotor

Dr. D. Nibbering, July 5, 2018, The Gain of Dimensionality, Erasmus University Rotterdam, The Netherlands.

Dr. V. Hoornweg, June 8, 2018, A Tradeoff in Econometrics, Erasmus University Rotterdam, The Netherlands.

Dr. T. Boot, February 17, 2017, Macroeconomic Forecasting under Regime Switching, Structural Breaks and High-dimensional Data, Erasmus University Rotterdam, The Netherlands.

Dr. I. Mikolajun, October 28, 2016, Empirical Essays in International Economics, Erasmus University Rotterdam, The Netherlands.

Dr. K. Bel, November 12, 2015, Multivariate Extensions to Discrete Choice Modeling, Erasmus University Rotterdam, The Netherlands.

Dr. S. van den Hauwe, September 24, 2015, Topics in Applied Macroeconomics, Erasmus University Rotterdam, The Netherlands.

Dr. T. Salimans, May 23, 2013, Essays in Likelihood-Based Computational Econometrics, Erasmus University Rotterdam, the Netherlands.

Dr. C. Çakmaklı, January 26, 2012. Exploiting Common Features in Macroeconomic and Financial Data, Erasmus University Rotterdam, the Netherlands.

Dr. N. Baştürk, November 4, 2010, Essays on Parameter Heterogeneity and Model Uncertainty, Erasmus University Rotterdam, the Netherlands.

Dr. A. van Dijk, July 2, 2009, Essays on Finite Mixture Models, Erasmus University Rotterdam, the Netherlands.

Prof. Dr. D. Fok, November 6, 2003, Advanced Econometric Marketing Models, Erasmus University Rotterdam, the Netherlands (cum laude, copromotor).

Dr. J.E.M. van Nierop, December 20, 2002, Advanced Choice Models, Erasmus University Rotterdam, the Netherlands (copromotor).

Member of Promotion Committee

Dr. B.J.L. Keijsers, February 22, 2019, *Essays in Applied Time Series Analysis*, Erasmus University Rotterdam.

Dr. B. Jacobs, December 22, 2017, Marketing Analytics for High-Dimensional Assortments, Erasmus University Rotterdam.

Dr. A. Ruseckaite, January 12, 2017, New Flexible Models and Design Construction Algorithms for Mixtures and Binary Dependent Variables, Erasmus University Rotterdam, The Netherlands.

Dr. G.H. van Heuvelen, December 2, 2016, Export Prices, Trade Dynamics and Economic Development, Erasmus University Rotterdam, the Netherlands.

Dr. I. Barra, October 7, 2016, Bayesian Analysis of Latent Variable Models in Finance, Vrije Universiteit, Amsterdam, The Netherlands.

Dr. S.R. Ozturk, September 16, 2016, Price Discovery and Liquidity in the High Frequency

World, Erasmus University Rotterdam, The Netherlands. (extended committee)

Dr. R.K. Kleijn, January 28, 2016, Esays on Bayesian Model Averaging using Economic Time Series, Erasmus University Rotterdam, The Netherlands.

Dr. T.W. Dulam, October 23, 2015, Brain Drain or Brain Gain: The Case of Suriname, Erasmus University Rotterdam, The Netherlands. (extended committee)

Dr. P.W. den Iseger, October 9, 2014, Fourier and Laplace Transform Inversion with Applications in Finance, Erasmus University Rotterdam, The Netherlands

Dr. Ł.T. Gątarek, May 8, 2014, Econometric Contributions to Financial Trading, Hedging and Risk Measurement, Erasmus University Rotterdam, The Netherlands.

Dr. E. Raviv, March 14, 2014, Forecasting Financial and Macroeconomic Variables, Erasmus University Rotterdam, The Netherlands. (extended committee)

Dr. A. Opschoor, February 20, 2014, Understanding Financial Market Volatility, Erasmus University Rotterdam, The Netherlands.

Dr. D. van Hout, January 23, 2014, Measuring Meaningful Differences, Erasmus University Rotterdam, The Netherlands. (extended committee)

Dr. M.M. Lede, December 19, 2013, Consumer Adoption of Counterfeit Products in a Developing Country, Erasmus University Rotterdam, The Netherlands. (extended committee)

Dr. V. Ročková, November 11, 2013, Bayesian Variable Selection in High-dimensional Applications, Erasmus University Rotterdam, The Netherlands.

Dr. P. Sun, October 25, 2013, Tail Risk of Equity Returns, Erasmus University Rotterdam, The Netherlands. (extended committee)

Dr. K. Bannouh, January 11, 2013, Measuring and Forecasting Financial Market Volatility using High-Frequency Data, Erasmus University Rotterdam, The Netherlands.

Dr. M. Scharth Figueiredo Pinto, December 17, 2012, Essays on Monte Carlo Methods for State Space Models, Vrije Universiteit, Amsterdam, The Netherlands.

Dr. T. Dekker, September 18, 2012, Preference Uncertainty in Stated Choice Experiments, Vrije Universiteit, Amsterdam, The Netherlands.

Dr. R. Legerstee, May 10, 2012, Evaluating Econometric Models and Expert Intuition, Erasmus University Rotterdam, The Netherlands.

Dr. O. Sokolinskiy, September 23, 2011, Essays On Financial Risk: Forecasts and Investor Perceptions, Erasmus University Rotterdam, The Netherlands.

Dr. P. van de Zwan, May 26, 2011, The Entrepreneurial Process: An International Analysis of Entry and Exit, Erasmus University Rotterdam, The Netherlands.

Dr. K.Y. Lam, April 14, 2011, Reliability and Rankings, Erasmus University Rotterdam, The Netherlands. (extended committee)

Dr. T.D. Markwat, March 17, 2011, Extreme Dependence in Asset Markets Around the Globe, Erasmus University Rotterdam, The Netherlands. (extended committee)

Dr. B. Schwaab, January 17, 2011, Credit Risk and State Space Methods, Vrije Universiteit, Amsterdam, The Netherlands.

Dr. C.J.S. Lourenço, November 24, 2010, Consumer Models of Store Price Image Formation and Store Choice, Tilburg University, the Netherlands.

Dr. C. Hernandez Mireles, June 29, 2010, Marketing Modeling for New Products, Erasmus University Rotterdam, the Netherlands.

Dr. J. van Rosmalen, April 9, 2009, Segmentation and Dimension Reduction: Exploratory and Model-Based Approaches, Erasmus University Rotterdam, the Netherlands.

Dr. R. Segers, January 29, 2009, Advances in Monitoring the Economy, Erasmus University Rotterdam, the Netherlands.

Dr. M. van Diepen, January 22, 2009, Dynamics and Competition in Charitable Giving, Erasmus University Rotterdam, the Netherlands (extended committee).

Dr. F. Ravazzolo, November 23, 2007, Forecasting Financial Time Series Using Model Averaging, Erasmus University Rotterdam, the Netherlands.

Dr. A.V. Hardiyanto, January 11, 2007, Time Series Studies on Indonesian Rupiah/USD Rate 1995-2005, Erasmus University Rotterdam, the Netherlands (extended committee).

Dr. L.R. Hoogerheide, June 29, 2006, Essays on Neural Network Sampling Methods and Instrumental Variables, Erasmus University Rotterdam, the Netherlands.

Dr. R.D. van Oest, February 3, 2005, Essays on Quantitative Marketing Models and Monte Carlo Integration Methods, Erasmus University Rotterdam, the Netherlands (extended committee).

External Examiner

Dr. C.M. Strickland, 2007, Bayesian Analysis of Non-Gaussian State Space Models with Applications in Financial Econometrics, Monash University, Melbourne, Australia.

Teaching Experience

Advanced Time Series Analysis, master econometrics, 2006

Applied Microeconometrics, master econometrics, 2007-2015

Bachelor thesis supervisor, bachelor econometrics, 2003-present

Bayesian Econometrics, master econometrics, 2006-present

Bayesian Econometrics, Tinbergen Institute research master, 2015-present

Bayesian Econometrics, Magyar Nemzeti Bank (Budapest, Hungary), May 2005.

Case studies (Dutch: werkcolleges), bachelor and master econometrics, 1995-present

Discrete Choice Models, master health economics, 2005-2009

Computational Econometrics, Tinbergen Institute research master, 2002-2014

Marketing Models, bachelor econometrics, 2002-present

Marketing Models, ERIM research master, 2008-2010

Master thesis supervisor, master econometrics, 1995-present

Introductory lectures of Princeton University Press Lectures by Charles Manski (2004) and Peter Rossi (2009)

Statistics for Quantitative Marketing, master econometrics, 2003-2004

Time Series Analysis, bachelor econometrics, 1995

Time Series Analysis, University of New South Wales (Sydney, Australia), August 1995.

Review Activities

Member of the Programme Committee of the Econometric Society European Meeting 2012 (Málaga, Spain), 2013 (Gothenburg, Sweden), and 2014 (Toulouse, France).

Associate editor of *Computational Statistics and Data Analysis*, October 2008 - April 2013.

Associate editor of *Statistica Neerlandica*, November 2002 - April 2015.

Guest editor for annals issue of the *Journal of Econometrics*, 2012, vol. 171, *Bayesian Models, Methods and Applications* together with J.F. Geweke & G. Koop.

Guest editor for special issue of the *Journal of Applied Econometrics*, 2009, vol. 24, *New Models in Marketing* together with P. Chintagunta & P.H. Franses.

Guest editor for special issue of *Computational Statistics and Data Analysis*, 2007, vol. 51, *Computational Techniques for Applied Econometric Analysis of Macroeconomic and Financial Processes* together with J.F. Geweke, P.J.F. Groenen & H.K. van Dijk.

Reviewer for *Computational Statistics, Computational Statistics and Data Analysis, Econometrics Journal, Econometric Reviews, Economic Journal, Economica, Empirical Economics, IEEE Transactions on Automatic Control, International Journal of Forecasting, International Journal of Research in Marketing, Journal of Applied Econometrics, Journal of Business & Economic Statistics, Journal of Econometrics, Journal of Eco-*

nomic Surveys, Journal of Economic Dynamics and Control, Journal of Economic Growth, Journal of Macroeconomics, Journal of the Italian Statistical Society, Journal of Time Series Analysis, Marketing Science, Oxford Bulletin of Economics and Statistics, Psychometrika, Review of Economics and Statistics, Review of World Economics, Statistica Neerlandica, Studies in Nonlinear Dynamics & Econometrics.

Management

Academic Management course by Eva Wiltingh BV in 2008.

Management Activities

Chair of the Program Committee *Econometrics*, September 2017 - present.

Coleader of the Erasmus School of Economics Research Program *Econometrics*, September 2011 - present.

Coordinator of the bachelor program *Econometrics and Operational Research* at Erasmus University Rotterdam, May 2006 - September 2014

Coordinator of the Master program *Econometrics* at Erasmus University Rotterdam, January 2012 - August 2017.

Coordinator of the Master program *Quantitative Marketing* at Erasmus University Rotterdam, August 2004 - December 2011.

Member of Management Team of the Econometric Institute, September 2006 - August 2014

Co-organizer of the workshop *Bayesian Econometrics in Macroeconomics and Finance*, January 27, 2012.

Co-organizer of the first European Seminar on Bayesian Econometrics [ESOBE] at Erasmus University Rotterdam, November 5-6, 2010.

Co-organizer of the Princeton University Press Lectures by Charles Manski (June 2004) and Peter Rossi (May 2009).

Co-organizer of the international conferences *50 years of Econometrics* and the *Future of Econometrics* at Erasmus University Rotterdam (June 2005).

Organizer of the *Econometric Institute Seminar Series*, August 2003 - August 2006.