Konstantinos Kalogeropoulos

Personal Details	 Year of Birth: 1978 Nationality: Greek Address: Department of Statistics, London School of Economics, Houghton Street, London, WC2A 2AE, United Kingdom. Tel: +44 (0) 20 7955 6017 Fax: +44 (0) 20 7955 7416 E-mail address: k.kalogeropoulos@lse.ac.uk Web page: http://stats.lse.ac.uk/kalogeropoulos/
Appointments	London School of Economics, Department of Statistics
	Lecturer in Statistics (September 2008 - today).
	University of Cambridge, Department of Engineering, Signal Processing Lab
	Research Associate (June 2006 - August 2008).
	 Project: Bayesian methods for diffusion-driven models in ultra high frequency data Supervisor: Prof. Simon Godsill Collaboration with Citigroup - Systematic Proprietary Trading desk.
	University of Lancaster, Department of Mathematics and Statistics
	Research Associate (March 2006 - May 2006).
	Research Topic: Bayesian Inference for partially observed diffusions.Supervisor: Prof. Gareth O. Roberts
Education	Athens University of Economics and Business
	PhD in Statistics (Awarded June 2007).
	 Dissertation Topic: Bayesian Inference for Multidimensional Diffusion Processes Supervisor: P. Dellaportas Co-Supervisor: G. O. Roberts - University of Warwick. Winner of the Savage award 2007 - Theory and Methods. Ranked Excellent by the following committee External Reviewers: Y. Ait-Sahalia - Princeton University, M. Sørensen - University of Copenhagen, A. Stuart - University of Warwick, Internal Reviewers: M. Zazanis, T. Giannakopoulos.
	Brown University, Providence, RI USA.
	MSc, Biostatistics, May 2003
	Dissertation Topic: Defining and testing diagnostic equivalence.Advisor: Constantine Gatsonis
	Athens University of Economics and Business B.S., Statistics, July, 2001
Awards - Scholarships	Winner of the Savage award 2007 - Theory and Methods section.
	Travel expenses and registration fees to participate in SemStat summer school 2007: Statistics for Stochastic Differential Equations models.
	Marie Curie PhD Fellowships - Lancaster University.
	Irakleitos - Fellowships for Phd in the Athens University of Economics and Business.
	Research Assistantship - Brown University.

Journal Papers	Dureau J., Kalogeropoulos K., Vickerman P., Pickles M. and Boily M.C. (2012). A Bayesian approach to estimate changes in condom use from limited HIV prevalence data. <i>Submitted</i>
	Demiris N., Kalogeropoulos K. and Kominakis A. (2012). Flexible stochastic modelling of growth processes with applications. <i>To be submitted.</i>
	Beskos A., Kalogeropoulos K. and Pazos E. (2012). Advanced Markov Chain Monte Carlo Methods for Sampling on Diffusion Pathspace. <i>Stochastic Processes and their Applications. To appear.</i>
	Dureau J., Kalogeropoulos K. and Baguelin M. (2012). Capturing the time-varying drivers of an epidemic via stochastic dynamical systems. <i>Biostatistics. To appear.</i>
	Kalogeropoulos K., Dellaportas P. and Roberts G.O. (2011). Likelihood based inference for correlated diffusions. <i>Canadian Journal of Statistics</i> , 39(1): 52-72.
	Kalogeropoulos K., Roberts G.O. and Dellaportas P. (2010). Inference for stochastic volatil- ity models using time change transformations. <i>Annals of Statistics</i> , 38(2): 784-807.
	Kalogeropoulos K. (2007). Likelihood-Based inference for a class of multivariate diffusions with unobserved paths. <i>Journal of Statistical Planning and Inference</i> , 137: 3092-3102.
Contributions to Discussion Papers	Kalogeropoulos K. and Papaspiliopoulos O. (2008). Discussion on Goubar et al (2008 Journal of Royal Statistical Society Series A 171(3):1-27).
	Kalogeropoulos K. (2006). Discussion on Beskos et al (2006 Journal of Royal Statistical Society Series B 68(3):333-382).
Refereed Conference Papers	Kalogeropoulos K., Demiris N. and Papaspiliopoulos O. (2008). Diffusion-driven models for physiological processes. <i>International Workshop on Applied Probability (IWAP) 2008</i> .
	Kalogeropoulos K., Roberts G.O. and Dellaportas P. (2006). Irreducible MCMC schemes for diffusion driven stochastic volatility models. <i>Nonlinear Statistical Signal Processing Workshop (NSSPW) 2006.</i>
	Petrakos G, Kalogeropoulos K., Farmakis G. and Stavropoulos P. (2001). A Classification Scheme of Validation Rules Applied to Statistical Data Bases. <i>NTTS 2001</i> .
Research Interests	Exploring ODE model uncertainty via diffusion processes.
	Diffusion models in Econometric and Financial applications.
	Inference on epidemic models with time-varying parameters
	Advanced MCMC methods for diffusion processes.
Teaching Experience	Since I joined LSE, I have taught the courses
	ST202: Probability Distribution Theory and Inference (undergraduate). Taught from 2008 onwards
	ST212: Applied Statistics Project (undergraduate). Taught from 2009 onwards.
	ST402: Principles and Methods of Statistical practice. Taught from 2008 until 2010.
	I have also initiated the undergraduate course ST308: Bayesian Inference which I am teaching from $2010/11$ onwards.

	I have also been involved as an examiner and marker in the University of London External Degree programme for the courses Statistics 1, Advanced Statistics: Distribution Theory, and Advanced Statistics: Statistical Inference.
SUPERVISION	I am supervising the Phd student Joseph Dureau from April 2010. Dissertation title: Epi- demic models with time-varying parameters and optimal experimental design for public health policies.
	I supervised the MSc student Karolos Korkas in the summer of 2009. Dissertation title: Markov Chain Monte Carlo methods in Asset Pricing: Algorithms and an Application from 49 US Industry Portfolios.
Academic Activities	Member of the organizing committee of the workshop/summer school "Greek Stochastics" held from 2009 to 2011
	Organiser of the Joint Econometrics and Statistics Workshop (LSE Lent term 2009 to 2011)
	Referee for Annals of Statistics, Journal of Royal Statistical Society (Series B), Biometrika, Statistics and Computing, Methodology and Computing in Applied Probability, Biostatis- tics, Biometrical Journal, Computational Statistics and Data Analysis and the conference AISTATS.
	Member of Royal Statistical Society (RSS), International Society for Bayesian Analysis (ISBA), Institute of Mathematical Statistics (IMS).
Selected Presentations	Diffusion driven models for physiological processes. Invited seminar, University of Kent, Department of Statistics, 2009
	Inference for stochastic volatility models using time change transformations. 7th world Congress in Probability and Statistics, IMS / Bernoulli, Singapore 2008 and 9th ISBA World Meeting, Hamilton Island, Australia 2008.
	Diffusion-driven models for physiological processes. International Workshop on Applied Probability, Compiegne, France 2008.
	Likelihood-based inference for stochastic volatility models using stock and option prices. 2nd International Workshop on Computational and Financial Econometrics. Neuchatel, Switzerland 2008.
	Likelihood based Inference for diffusion processes via data augmentation London School of Economics, Department of Statistics, 2008
	Irreducible MCMC schemes for diffusion driven stochastic volatility models. Nonlinear Statistical Signal Processing Workshop (NSSPW), University of Cambridge, 2006.
Computing	Languages: C, MATLAB. Statistical Packages: R, WinBUGS, SAS, SPSS.