

Monday 1st September

	Course registration from 9am	Course registration from 9am	Registration from 9.15am	
9.30	Course A: Modelling longitudinal and incomplete data <i>Presented by Geert Molenberghs</i>	Course B: Six Sigma for Healthcare <i>Presented by Shirley Coleman and Ron Kenett</i>	Young Statisticians' Training Day 9.45am Welcome	
Coffee	Break at 11am	Break at 11am	Break at 11.20am	
	Course A	Course B	Young Statisticians' Training Day	
Lunch	Lunch at 12.45pm	Lunch at 12.30pm	Lunch at 1pm	Lunch & Workshop registration from 1pm
14.00	Course A	Course B	Young Statisticians' Training Day	Teaching statistics through a problem-solving approach <i>Presented by Jenny Freeman and Philip Sedgwick</i>
3pm Main registration opens	Break at 3.15pm	Break at 3pm	Break at 3.15pm	
	Course A	Course B	Young Statisticians' Training Day	Teaching statistics through a problem-solving approach
Registration closes 6pm	7.30pm Welcome meal in Rutland Hall. Bar open until 11pm			

Tuesday 2nd September am

	Parallel Session A	Parallel Session B	Parallel Session C	Parallel Session D	Parallel Session E
9am	REGISTRATION OPENS	9.30am Young Statisticians' Networking Breakfast Come and meet other career young statisticians at the beginning of conference, make new contacts and renew old ones over breakfast			
10.30 to 11.45	Opening of Conference: CAMPION LECTURE (<i>Plenary 1</i>) Jerry Friedman (Stanford University) <i>Fast sparse regression</i>				
Coffee					
12.00 to 13.30	Session 1A STATISTICAL SHAPE ANALYSIS (Invited) Adrian Bowman (Glasgow) <i>Statistics with a human face</i> Chris Brignell (Nottingham) <i>Surface shape analysis, with an application to brain cortical surface analysis in schizophrenia</i> John Kent (Leeds) <i>New developments in projective shape analysis</i>	Session 1B STATISTICS IN FINANCE (Contributed) Jonathan Rees (QUB) <i>Pricing for Risk: An Industry Perspective</i> Alan Forrest (HBoS) <i>Statistics and financial regulation - Basel II and Low Default portfolios</i> Adam Brentnall (Imperial) <i>Model-based monitoring and prediction of individuals' cash machine usage</i> Jonathan Hill (North Carolina) <i>Robust Non-Parametric Tests of Extremal Dependence</i>	Session 1C GENERAL (Contributed) 1 Karen Smith (Oxford) <i>SASSY: One-to-One Tuition in Statistics</i> Neil Spencer (Hertfordshire) <i>Coping with missing levels in multilevel modelling</i> Gopalakrishnan Netuveli (Imperial) <i>Using sequence matching to draw inferences about trajectories: the fascis analysis</i> Carlos Cuevas-Covarrubias (Mexico) <i>Principal components and ROC curves: an alternative approach to reduction of dimensionality</i>	Session 1D SIX SIGMA - What are the current issues? (Invited) John Oakland (Oakland Consulting) <i>Strategies and capability development for Lean Six Sigma: real improvements in on-quality, on-time, on-cost delivery</i> Tony Bendell (Services Limited) <i>The correct and erroneous statistical and non-statistical basis for Six Sigma common methodological errors</i>	Session 1E META-ANALYSIS (Contributed) 1 Stephan Morgenthaler (EPFL) <i>Variance stabilisation: overview</i> Elena Kulinskaya (Imperial) <i>Variance stabilisation: combining the evidence</i> James Carpenter (LSHTM) <i>Arcsine test for publication bias in meta-analyses with binary outcomes</i>
Lunch					

Tuesday 2nd September pm

	Parallel Session A	Parallel Session B	Parallel Session C	Parallel Session D	Parallel Session E
14.15 to 15.30	<p>Session 2A</p> <p>SHAPE ANALYSIS (Contributed)</p> <p>Arne Kovac (Bristol) <i>Shape constraints and multiresolution</i></p> <p>Hanna Heikkinen (Oulu) <i>3D landmark-based shape distributions: is progress possible?</i></p> <p>Marta Garcia-Finana (Liverpool) <i>Unbiased estimation of geometrical parameters in Brain Research</i></p>	<p>Session 2B</p> <p>STATISTICS IN FINANCE (Invited)</p> <p>Paul Embrechts (Zurich) <i>Statistical extremes and Quantitative Risk Management, a difficult marriage</i></p> <p>Anthony Ledford (Man Investments) <i>An overview of AHL: model based automated trading</i></p>	<p>Session 2C</p> <p>STATISTICS AND THE LAW (Invited)</p> <p>Paul Roberts (Nottingham) <i>Statistics, expert witnesses and criminal justice</i></p> <p>Roberto Puch-Solis (Forensic Science Service) <i>Scientific aspects of statistical evaluation of evidence</i></p> <p>James Curran (Auckland) <i>Statistics in Forensic Science</i></p>	<p>Session 2D</p> <p>SIX SIGMA (Contributed)</p> <p>Roland Caulcutt (Caulcutt Associates) <i>Six Sigma could be even more successful</i></p> <p>Carolyn Craggs (CCSL) <i>Six Sigma and pharmaceutical manufacture</i></p> <p>Shirley Coleman (ISRU, Newcastle) & Ron Kenett (University of Torino) <i>Statistical aspects of Quality by Design (QbD) Applications to Analytical Methods in the process industries</i></p>	<p>Session 2E</p> <p>META-ANALYSIS (Contributed) 2</p> <p>Cathal Walsh (Trinity College Dublin) <i>Prior elicitation and evidence combination</i></p> <p>Jane Hutton (Warwick) <i>Common, severe adverse events: meta-analysis and missing data</i></p> <p>Claudia Lozada-Can (EPFL) <i>Higher Order Inference in Meta-Analysis</i></p>
Tea					
16.00 to 17.30	<p>Session 3A</p> <p>THE BEST OF SIGNIFICANCE (Invited)</p> <p>David Spiegelhalter (Cambridge) <i>Telling Statistical Stories</i></p> <p>Michael Blastland (Freelance broadcaster) <i>Beauty and the Beast: Numbers and the Media</i></p>	<p>Session 3B</p> <p>EMERGING GEOMETRIES FOR STATISTICAL SCIENCE (contributed)</p> <p>Frank Critchley (Open University) <i>Emerging geometries for statistical science</i></p> <p>John Copas (Warwick) <i>A geometrical look at likelihood and robustness</i></p> <p>Henry Wynn (LSE) <i>Statistical applications of computational algebraic geometry: an overview</i></p> <p>Paul Marriott (Waterloo) & Karim Anaya-Izquierdo (OU) <i>Sensitivity analysis for statistical science: some new developments exploiting computational geometry</i></p>	<p>Session 3C</p> <p>STATISTICS AND THE LAW (Contributed)</p> <p>Dimitrios Mavridis (Edinburgh) <i>Sample Size Determination for categorical responses</i></p> <p>Julius Sim (Keele) <i>Ethical implications of cluster randomised trials</i></p> <p>Daniel Ramos (Madrid) <i>Assessing and comparing evidence evaluation methods using information theory</i></p> <p>Joseph Gastwirth (George Washington) <i>Do you agree with the interpretation of a measure of relative disparity in educational funding made by the U.S. Supreme Court?</i></p>	<p>Session 3D</p> <p>SIX SIGMA: THE GREAT DEBATE <i>Lean six Sigma is bankrupt without statistics and will fail without the involvement of professional statisticians</i></p> <p>Proposers: John Oakland (Oakland Consulting) Tony Bendell (Services Limited)</p> <p>Seconders: Ron Kenett (KPA Ltd) Roland Caulcutt (Caulcutt Associates)</p>	<p>Session 3E</p> <p>META-ANALYSIS (Contributed) 3</p> <p>Alex Sutton (Leicester) <i>Use of Individual Participant Data (IPD) in meta-analysis of effectiveness studies</i></p> <p>Richard Riley (Liverpool) <i>Meta-analysis of diagnostic test studies using individual patient data and aggregate data</i></p> <p>Tim Friede (Warwick) <i>Evidence synthesis of adverse event data</i></p> <p>Evangelos Kontopantelis (Manchester) <i>A comparison of Random Effects meta-analysis methods when study effects are non-normally distributed</i></p>
Evening	7pm Reception at Trent Bridge Cricket Ground				

Wednesday 3rd September am

	Parallel Session A	Parallel Session B	Parallel Session C	Parallel Session D	Parallel Session E
9.30 to 11.00	<p>Session 4A</p> <p>PAPERS FROM THE RSS JOURNALS (Invited)</p> <p>Series A Kaatje Bollaerts (Hasselt) <i>Identification of Salmonella high risk pig-herds in Belgium by using semiparametric quantile regression</i></p> <p>Series B Simon Wood (Bath) <i>Soap film smoothing</i></p> <p>Series C Byron Morgan (Kent) <i>A new mixture model for cature heterogeneity</i></p>	<p>Session 4B</p> <p>TIME SERIES (Contributed)</p> <p>Fabio Rigat (Warwick) <i>Non-parametric change-point estimation for time series models</i></p> <p>Ta-Hsin Li (IBM) <i>A non-linear method for robust spectral analysis</i></p> <p>Robert Kunst (Vienna) <i>A non-parametric test for seasonal unit roots</i></p> <p>Idris Eckley (Lancaster) <i>A wavelet-based adaptive sampling regime</i></p>	<p>Session 4C</p> <p>PRIMARY HEALTH CARE (Contributed)</p> <p>Stephen Walters (Sheffield) <i>Models for analysing data from individually randomised trials in primary care with clustering effects due to health professional variation</i></p> <p>Dave Collett (UK Transplant) <i>Monitoring outcomes following organ transplantation</i></p> <p>Giancarlo Manzi (MRC Cambridge) <i>Combining small-area smoking prevalence estimates from multiple surveys</i></p> <p>Toby Prevost (Cambridge) <i>Multivariate meta-analysis for modelling studies of behaviour change</i></p>	<p>Session 4D</p> <p>GAUSSIAN PROCESSES (Invited)</p> <p>Mike Osborne (Oxford) <i>Gaussian processes for Bayesian multi-sensor time-series prediction</i></p> <p>Chris Williams (Edinburgh) <i>Multi-task Learning with Gaussian Processes</i></p> <p>Dan Cornford (Aston) <i>Gaussian process based approximate inference for diffusion processes</i></p>	<p>Session 4E</p> <p>MODERN APPROACHES TO CAUSALITY (Invited)</p> <p>Vanessa Didelez (Bristol) <i>A decision theoretic approach to causality</i></p> <p>Michael Eichler (Maastricht) <i>Causal learning in multivariate time series</i></p>
Tea					
11.30 to 13.00	<p>Presentation of Guy Medal in Silver to Gareth Roberts</p> <p><i>followed by</i></p> <p>PLENARY 2:</p> <p>Martin Hasler (Ecole Polytechnique Federale de Lausanne)</p> <p><i>Asymptotic behaviour of blinking (stochastically switched) dynamical systems</i></p>				
Lunch			<p>1.30pm POSTGRADUATE STATISTICS CENTRE</p> <p>Gillian Lancaster Postgraduate Statistics Centre: creating enterprise and innovation in teaching statistics across disciplines</p>		

Wednesday 3rd September pm

	Parallel Session A	Parallel Session B	Parallel Session C	Parallel Session D	Parallel Session E
14.00 to 15.30	<p>Session 5A</p> <p>BEST OF RSC2008 (competition winners at the 2008 Research Students Conference)</p> <p>James Miller (Glasgow) <i>Analysing Variation in Facial Features Using Curvature</i></p> <p>Gemma Stephenson (Southampton) <i>Using derivative information in the statistical analysis of computer models</i></p> <p>Ben Parker (QMUL) <i>Design of experiments for Markov Chains, or how often should we open the box?</i></p>	<p>Session 5B</p> <p>MIGRATION (Contributed)</p> <p>Peter Smith (Southampton) <i>An overview of statistical issues in the estimation of migration flows</i></p> <p>Guy Abel (Southampton) <i>Harmonization and estimation of missing cells in international migration flow tables</i></p> <p>Peter Congdon (QMUL) <i>Random Effects Models for Migration Attractivities: a Bayesian Methodology</i></p> <p>Beata Nowok (Groningen) <i>A probabilistic approach towards harmonisation of migration statistics</i></p>	<p>Session 5C</p> <p>ISSUES IN THE DETECTION, REPORTING & ANALYSIS OF ADVERSE DRUG REACTIONS (Invited)</p> <p>Munir Pirmohamed (Liverpool) <i>The current burden of adverse drug reactions on the NHS</i></p> <p>Lesley Wise (MHRA) <i>From signals to action: Pharmacovigilance at the MHRA</i></p> <p>Keith Abrams (Leicester) <i>Assessing and synthesising evidence of adverse drug reactions</i></p>	<p>Session 5D</p> <p>GENERAL (contributed) 2</p> <p>Jarno Vanhatalo (Helsinki) <i>Approximate inference in disease mapping with sparse log Gaussian process priors</i></p> <p>Jaakkoo Riihimaki (Helsinki) <i>Variable selection for Gaussian processes using Kulbeck-Leibler projections</i></p> <p>Owen Lyne (University of Kent) <i>Inference from noisy data for stochastic SIR epidemics in a community of households</i></p>	<p>Session 5E</p> <p>ANALYSIS OF STREAMING DATA (Invited/Contributed)</p> <p>Dimitris Tasoulis (Imperial) <i>Analysing streaming data</i></p> <p>Theodoros Tsagaris (Imperial) <i>Online Mean-Variance Asset Allocation</i></p>
Tea					
16.00 to 17.30	<p>Session 6A</p> <p>EPIDEMICS: STATISTICS AND MODELLING (Invited)</p> <p>Christophe Fraser (Imperial College) <i>Influenza transmission in households in 1918</i></p> <p>Peter Neal (Manchester) <i>Cute furry animals: Statistical analysis of endemic diseases in rodents</i></p> <p>Theodore Kypraios (Nottingham) <i>Modelling healthcare associated infections: A Bayesian approach</i></p>	<p>Session 6B</p> <p>OFFICIAL & SOCIAL STATISTICS (Contributed)</p> <p>Andrew Garratt (RSS) <i>Raising awareness, changing perceptions - assessing UKSA activity as a public relations campaign</i></p> <p>Tiziana Leone (LSE) <i>Measuring maternal mortality using census data in developing countries</i></p> <p>David Boniface (UCL) <i>A new approach to modelling trends in the obesity epidemic</i></p> <p>Timothy Duke (ONS) <i>What is The Matrix? Moving towards a new Classification System for Business Surveys</i></p>	<p>Session 6C</p> <p>GENERAL (contributed) 3</p> <p>Wicher Bergsma <i>New sign correlations related to Kendall's tau and Spearman's rho for measuring arbitrary forms of association</i></p> <p>Velo Suthar (Malaysia) <i>Randomised response variable in logistic regression using survey data of Sindh, Pakistan</i></p> <p>Paolo Rocchi (IBM) <i>Eclectic authors in the statistical field</i></p>	<p>Session 6D</p> <p>STATISTICS IN HIGHER EDUCATION (Contributed)</p> <p>Neil Spencer (Hertfordshire) <i>An adaptive, automated, individualised assessment system for introductory statistics</i></p> <p>David Lucy (Lancaster) <i>A possible model for the statistical education of European forensic scientists</i></p> <p>Phil Ansell (Newcastle) <i>Development of teaching resources in statistics using the language R</i></p> <p>John McColl (Glasgow) <i>Technology in statistical education</i></p>	<p>Session 6E</p> <p>UNCERTAINTY IN COMPLEX MODELS (Invited)</p> <p>Ian Vernon (University of Durham) <i>Calibrating the Universe: an Uncertainty Analysis for a Galaxy Formation Simulation</i></p> <p>Neil Crout (Nottingham) <i>Using model reduction to assess model structural uncertainty</i></p> <p>Hugo Maruri-Aguilar (LSE) <i>Designs for screening in computer experiments</i></p>

Wednesday 3rd September evening

<p>17.45 to 19.00</p>	<p>PLENARY 3:</p> <p>Alan Agresti (University of Florida)</p> <p><i>Good confidence intervals for categorical data analyses</i></p>	<p>RSS & UK Statistics Authority</p> <p>The draft new National Statistics Code of Practice – find out more and have your say</p>							
<p>19.00 to 21.00</p>	<p>POSTER RECEPTION & BUFFET MEAL (EMCC)</p>								
	<p>Poster presenters:</p> <table border="0"> <tr> <td data-bbox="289 846 527 1162"> <p>Damilola Adekanmbi Atanu Adhikari Alfred Akinsete Okunlade Akintayo Fahimah Al-Awadhi Charlotte Bean Daniel Bergmann Diane Berry Alexis Boukouvalas Philip Cheng</p> </td> <td data-bbox="663 813 1020 1162"> <p>Polycarp Chigbu Carlos Cuevas-Covarrubias Bonnie Cundill Alireza Daneshkhah Mark Edmondson-Jones Marco Geraci Jouni Hartikainen John Haywood Masayuki Henmi Bryony Hill [competition winner RSC2008]</p> </td> <td data-bbox="1115 846 1493 1130"> <p>Emma Hooper Graham Horgan Mona Kanaan Tahani Maturi Anita McGrogan Andrea Mercatanti Obisesan Olalekan Philip Sayer & Kavian Thompson [competition winners YSM2008]</p> </td> <td data-bbox="1682 829 1892 1179"> <p>Olanrewaju Shittu Martin Schroeder Yu-Kang Tu Maria Vazquez Marika Vezzoli Rebecca Walls Stephen Walters Fiona Warren Michael Williams Adil Yousif Oliver Zobay</p> </td> </tr> </table>					<p>Damilola Adekanmbi Atanu Adhikari Alfred Akinsete Okunlade Akintayo Fahimah Al-Awadhi Charlotte Bean Daniel Bergmann Diane Berry Alexis Boukouvalas Philip Cheng</p>	<p>Polycarp Chigbu Carlos Cuevas-Covarrubias Bonnie Cundill Alireza Daneshkhah Mark Edmondson-Jones Marco Geraci Jouni Hartikainen John Haywood Masayuki Henmi Bryony Hill [competition winner RSC2008]</p>	<p>Emma Hooper Graham Horgan Mona Kanaan Tahani Maturi Anita McGrogan Andrea Mercatanti Obisesan Olalekan Philip Sayer & Kavian Thompson [competition winners YSM2008]</p>	<p>Olanrewaju Shittu Martin Schroeder Yu-Kang Tu Maria Vazquez Marika Vezzoli Rebecca Walls Stephen Walters Fiona Warren Michael Williams Adil Yousif Oliver Zobay</p>
<p>Damilola Adekanmbi Atanu Adhikari Alfred Akinsete Okunlade Akintayo Fahimah Al-Awadhi Charlotte Bean Daniel Bergmann Diane Berry Alexis Boukouvalas Philip Cheng</p>	<p>Polycarp Chigbu Carlos Cuevas-Covarrubias Bonnie Cundill Alireza Daneshkhah Mark Edmondson-Jones Marco Geraci Jouni Hartikainen John Haywood Masayuki Henmi Bryony Hill [competition winner RSC2008]</p>	<p>Emma Hooper Graham Horgan Mona Kanaan Tahani Maturi Anita McGrogan Andrea Mercatanti Obisesan Olalekan Philip Sayer & Kavian Thompson [competition winners YSM2008]</p>	<p>Olanrewaju Shittu Martin Schroeder Yu-Kang Tu Maria Vazquez Marika Vezzoli Rebecca Walls Stephen Walters Fiona Warren Michael Williams Adil Yousif Oliver Zobay</p>						
<p>Bar at the EMCC will be open until 10pm. Bar at Cavendish Hall will be open from 9pm.</p>									