

# Committee of Professors of Statistics COPS Questionnaire 2003- 2004

## 5. Individual PhD students

	<b>Aberdeen</b>
Name of student	Jennifer Mooney; Full-time
University	Aberdeen
UK/EEC or Overseas	UK
Title of Thesis	Statistical analysis of seasonality in sudden infant death syndrome
Supervisor	Prof. Ian Jolliffe
Name of student	Mark Wood; Full-time
University	Aberdeen
UK/EEC or Overseas	UK
Title of Thesis	Discriminant analysis using wavelet derived features
Supervisor	Prof. Ian Jolliffe
	<b>Bath</b>
Name of student	Peter Hartley; Full-time
University	Bath
UK/EEC or Overseas	UK/EEC
Title of Thesis	Some topics in mathematical finance
Supervisor	Chris Rogers
Name of student	Jeremy Penn; Full-time
University	Bath
UK/EEC or Overseas	UK/EEC
Title of Thesis	Hedging: imperfect correlation, timely information and stochastic volatility
Supervisor	David Hobson
Name of student	Richard Sharp; Full-time
University	Bath
UK/EEC or Overseas	UK/EEC
Title of Thesis	An approximate alternative to perfect simulation
Supervisor	Chris Jennison
	<b>Birmingham</b>
Name of student	Dimitrios Bagkavos; Full-time
University	Birmingham
UK/EEC or Overseas	EEC
Title of Thesis	Bias reduction in non-parametric hazard rate estimation
Supervisor	Dr P N Patil
Name of student	Kamila Zychaulk; Full-time
University	Birmingham
UK/EEC or Overseas	Overseas
Title of Thesis	Application of noise in non-parametric curve estimation
Supervisor	Dr P N Patil
	<b>Bristol</b>
Name of student	Codina Cotar; Full-time
University	Bristol
UK/EEC or Overseas	Overseas
Title of Thesis	Some extensions of the lilypond model and random walks with traps
Supervisor	Dr S Volkov
Name of student	David Stuart Leslie; Full-time
University	Bristol
UK/EEC or Overseas	UK
Title of Thesis	Reinforcement learning in games
Supervisor	Dr E J Collins

Name of student	Piotr Zbigniew Fryzlewicz; Full-time
University	Bristol
UK/EEC or Overseas	UK
Title of Thesis	Wavelet techniques for time series and poisson data
Supervisor	Prof G P Nason
	<b>Cambridge</b>
Name of student	Jason Cooper; Full-time
University	Cambridge
UK/EEC or Overseas	UK
Title of Thesis	Statistical modelling of UK dietary exposure to bovine spongiform encephalopathy and variant Creutzfeldt-Jakob
Supervisor	Prof Kelly
Name of student	David Harrison; Full-time
University	Cambridge
UK/EEC or Overseas	UK
Title of Thesis	Estimation of disease progression parameters from retrospective or cross-sectional data
Supervisor	Dr Altham
Name of student	David Sheridan; Full-time
University	Cambridge
UK/EEC or Overseas	UK
Title of Thesis	Central limit theorems for percolation and random matrices
Supervisor	Prof Grimmett
	<b>Cardiff</b>
Name of student	C M Jones; Full-time
University	Cardiff
UK/EEC or Overseas	UK
Title of Thesis	Analysing multi-stage group testing methods and competing estimations in multi-centre trials with pharmaceutical applications
Supervisor	A Zhigljavsky
	<b>Durham</b>
Name of student	J Argyle; Full-time
University	Durham
UK/EEC or Overseas	UK
Title of Thesis	Statistical analysis of child growth data
Supervisor	A Seheult/ D Wooff
	<b>Exeter</b>
Name of student	Julie Badcock; Full-time
University	Exeter
UK/EEC or Overseas	UK
Title of Thesis	Projection methods for use in the analysis of multivariate process data
Supervisor	Prof Krzanowski/ Dr Bailey
	<b>Glasgow</b>
Name of student	Yousif Abdul Hamid Jaha; Full-time
University	Glasgow
UK/EEC or Overseas	Overseas
Title of Thesis	Construction of permutation mixture experiment designs
Supervisor	Ben Torsney
	<b>Heriot Watt</b>
Name of student	Eng Hock Gui; Part-time
University	Heriot Watt
UK/EEC or Overseas	Overseas
Title of Thesis	Modelling the impact of genetic testing on insurance: early onset Alzheimer's Disease and other single-gene disorders

Supervisor	Prof A M Macdonald
Name of student	Chessman Tavarwisa Wekwete; Part-time
University	Heriot Watt
UK/EEC or Overseas	Overseas
Title of Thesis	Genetics and critical insurance underwriting: models for breast cancer and ovarian cancer and for coronary heart disease and stroke
Supervisor	Prof A M Macdonald
	<b>Kent</b>
Name of student	D J Cole; Full-time
University	Kent
UK/EEC or Overseas	UK
Title of Thesis	Stochastic branching processes in biology
Supervisor	B J T Morgan/ M S Ridout
	<b>Lancaster</b>
Name of student	Ismail Mohamad; Full-time
University	Lancaster (Centre for Applied Statistics)
UK/EEC or Overseas	Overseas
Title of Thesis	Data analysis in the presence of missing data
Supervisor	Dr Michael Green
Name of student	Patrick Brown; Full-time then Part-time
University	Lancaster
UK/EEC or Overseas	Overseas
Title of Thesis	Applications of spatio-temporal modelling
Supervisor	Prof Peter Diggle
Name of student	Susan Gooding; Full-time
University	Lancaster
UK/EEC or Overseas	UK
Title of Thesis	Inhomogeneous spatial point processes
Supervisor	Prof Mandy Chetwynd
Name of student	Margaret Hurley; Part-time
University	Lancaster
UK/EEC or Overseas	UK
Title of Thesis	Modelling growth, energetics and mortality of freshwater fish
Supervisor	Dr G Tunnicliffe-Wilson
Name of student	Omiros Papaspiliopoulos; Full-time
University	Lancaster
UK/EEC or Overseas	EEC
Title of Thesis	Non-centred parameterisations for data augmentation and hierarchical models
Supervisor	Prof Gareth Roberts
Name of student	Paulo Ribeiro; Full-time
University	Lancaster
UK/EEC or Overseas	Overseas
Title of Thesis	Model based geostatistics, applications and computational implementation
Supervisor	Prof Peter Diggle
Name of student	Carl Scarrott; Full-time
University	Lancaster
UK/EEC or Overseas	UK
Title of Thesis	Reactor modelling and risk assessment
Supervisor	Prof Jon Tawn
Name of student	Silvia Shimakura; Full-time
University	Lancaster
UK/EEC or Overseas	Overseas
Title of Thesis	Statistical methods for spatial survival data

Supervisor	Prof Rob Henderson
	<b>Napier</b>
Name of student	Krishna Gayen; Full-time/Part-time
University	Napier
UK/EEC or Overseas	Overseas
Title of Thesis	An evaluation of demographic forecasting and the development of a robust method
Supervisor	Robert Raeside
Name of student	David White; Full-time
University	Napier
UK/EEC or Overseas	UK
Title of Thesis	An investigation of factors associated with traffic accident risk and casualty risk in Scotland
Supervisor	Robert Raeside
	<b>Newcastle</b>
Name of student	Adnan Arisman; Full-time
University	Newcastle
UK/EEC or Overseas	Overseas
Title of Thesis	Analysis of taste-panel data using ANOVA and ordinal logistic regression
Supervisor	Dr P J Avery
Name of student	T J Chadwick; Full-time
University	Newcastle
UK/EEC or Overseas	UK
Title of Thesis	A general Bayes theory of nested model comparison
Supervisor	Prof M Atkin
Name of student	A Simpson; Full-time
University	Newcastle
UK/EEC or Overseas	UK
Title of Thesis	A fully Bayesian approach to financial forecasting and portfolio selection
Supervisor	Dr D J Wilkinson
Name of student	J P Welbury; Part-time
University	Newcastle
UK/EEC or Overseas	UK
Title of Thesis	Statistical aspects of the design and analysis of studies to measure cerebral blood flow
Supervisor	Prof J N S Matthews
Name of student	S K H Yeung; Full-time
University	Newcastle
UK/EEC or Overseas	UK
Title of Thesis	Efficient Bayesian computation in large linear Gaussian systems
Supervisor	Dr D J Wilkinson
	<b>Open</b>
Name of student	Julie Burrett; Part-time
University	Open
UK/EEC or Overseas	UK/EEC
Title of Thesis	Identification of randomized trials for inclusion in meta-analysis of treatments for childhood acute lymphoblastic leukaemia, and investigations of factors leading to publication bias
Supervisor	A D Lunn/ M J Clarke/ P H Garthwaite
Name of student	Mark Lunt; Part-time
University	Open
UK/EEC or Overseas	UK/EEC
Title of Thesis	Statistical methods of detecting vertebral fractures
Supervisor	D J Hand/ F Critchley
Name of student	Arthur Pewsey; Part-time

University	Open
UK/EEC or Overseas	UK/EEC
Title of Thesis	Analysis of skew data on the line and circle
Supervisor	T Lewis/ M C Jones
	<b>Queen Mary University</b>
Name of student	Matt Ollis; Full-time
University	QMU
UK/EEC or Overseas	UK
Title of Thesis	Terraces for groups: some constructions and applications
Supervisor	Bailey
	<b>Reading</b>
Name of student	M Fazil Baksh; Full-time
University	Reading
UK/EEC or Overseas	Overseas
Title of Thesis	Sequential tests of association with applications in genetic epidemiology
Supervisor	Dr S Todd/Prof J Whitehead
	<b>Southampton</b>
Name of student	Jonathan Donnelly; Full-time
University	Southampton
UK/EEC or Overseas	UK
Title of Thesis	Simultaneous confidence bands in linear
Supervisor	Dr Wei Lui
Name of student	David Woods; changed from full-time to part-time
University	Southampton
UK/EEC or Overseas	UK
Title of Thesis	Designing experiments for polynomial spline models
Supervisor	Prof Sue Lewis
	<b>Southampton (Social Statistics)</b>
Name of student	Annabel Sarah Erulkar; Part-time
University	Southampton
UK/EEC or Overseas	Overseas
Title of Thesis	The experience of sexual coercion among young women in central province, Kenya
Supervisor	Prof I Diamond
Name of student	Dan Erik Hedlin; Part-time
University	Southampton
UK/EEC or Overseas	EEC
Title of Thesis	Some estimation and bias issues in business surveys
Supervisor	Prof C Skinner
Name of student	Louise Anne Hulton; Full-time
University	Southampton
UK/EEC or Overseas	UK
Title of Thesis	Quality of care in maternity services: childbirth among the urban poor of Mumbai, India
Supervisor	Dr Z Matthews
Name of student	Tiziana Leone; Full-time
University	Southampton
UK/EEC or Overseas	EEC
Title of Thesis	Fertility and union dynamics in Brazil
Supervisor	Dr A Hinde
Name of student	Juliet Helen McEachran; Full-time
University	Southampton
UK/EEC or Overseas	UK
Title of Thesis	Barriers and opportunities to effective contraceptive management in Bangladesh
Supervisor	Prof I Diamond

Name of student	Catherine Heather Mercer; Part-time
University	Southampton
UK/EEC or Overseas	UK
Title of Thesis	The age difference between spouses: cross-national and within-country variations
Supervisor	Dr J McDonald
Name of student	Maria de Fatima Ramalho Fernandes Salgueiro; Full-time
University	Southampton
UK/EEC or Overseas	EEC
Title of Thesis	Distributions of test statistics for edge exclusion for graphical models
Supervisor	Dr P Smith
Name of student	Xingiang Zhao; Full-time
University	Southampton
UK/EEC or Overseas	Overseas
Title of Thesis	Imputation by neural networks and related methods
Supervisor	Prof C Skinner
	<b>Sunderland</b>
Name of student	Gerard Joseph Cowburn; Part-time
University	Sunderland
UK/EEC or Overseas	UK/EEC
Title of Thesis	Bayesian mixture modelling with application to road traffic flow
Supervisor	Dr M Farrow
	<b>UMIST</b>
Name of Student	Gillian L Hughes; Full-time
University	UMIST
UK/EEC or Overseas	UK
Title of Thesis	Multiple regression with correlated, non-Gaussian errors: an analysis of extreme monthly temperature data
Supervisor	Prof T Subba Rao
	<b>University College London</b>
Name of Student	Costas Chappas; Full-time
University	UCL
UK/EEC or Overseas	Overseas
Title of Thesis	Estimation methodology for portfolio construction under uncertainty
Supervisor	Kostas Skouras
Name of Student	Scott Patterson; Part-time
University	UCL
UK/EEC or Overseas	Overseas
Title of Thesis	Statistical aspects of bioequivalence in the pharmaceutical industry
Supervisor	Stephen Senn
	<b>Warwick</b>
Name of Student	Carlos Covarrubias; Full-time
University	Warwick
UK/EEC or Overseas	Overseas
Title of Thesis	Statistical inference for ROC curves
Supervisor	Prof J Copas
Name of Student	Grace Kwong; Full-time
University	Warwick
UK/EEC or Overseas	Overseas
Title of Thesis	Model misspecification and random effect models in survival analysis
Supervisor	Dr Jane Hutton
Name of Student	Zorana Najdanovic; Full-time
University	Warwick
UK/EEC or Overseas	EEC
Title of Thesis	Conditioning a Markov chain upon the behaviour of an additive function

Supervisor	Prof Saul Jacka