Time	Sunday 28 August	Monday 29 August		
850		**Opening [OGGB4]** **Chris Triggs, Stuart McCutcheon**		
		Plenary session [OGGB4] *Chair: Alain Vandal*		
900		*Genome variant calling: A statistical perspective* Robert Gentleman Genentech		
		Contributed sessions		
		Methods 1 **[OGGB4]** *Chair: Thomas Yee*	**Applied statistics 1** **[OGGB5]** *Chair: John Pearson*	**Theory** **[OGGB3]** *Chair: Alan Wan*
950		*Statistical disclosure from the margins of very high-dimensional genomic data* Thomas Lumley University of Auckland	*Hypothesis testing for navigation cues of homing pigeons* Chieh-Hsi Wu University of Auckland	*Coping in the absence of likelihoods* Steven Miller Waikato University
1010		*Prediction and confidence regions for ecological ordination plots* Matt Pawley Massey University	*Multilevel models for team sports* Denny Meyer Swinburne University of Technology	*Hierarchical covariance selection models* Insha Ullah Massey University
1030		**Morning Tea (30 minutes)**		
		Invited session	**Contributed sessions**	
		Smoothing and applications **[OGGB4]** *Chair: Martin Upsdell*	**Applied bioinformatics** **[OGGB5]** *Chair: Stéphane Guindon*	**Fisheries** **[OGGB3]** *Chair: Marti Anderson*
1100		*Testing for log-concavity of densities* Martin Hazelton Massey University	*Estimating the relative roles of recombination & point mutation to the generation of single locus variants in* **C. jejuni** *&* **C. coli** Shoukai Yu Massey University	*Estimating the number of salmon returning to spawn* Russell Millar University of Auckland
1120		*Non-parametric estimation of covariate effects for spatial point processes* Rolf Turner University of Auckland	*Extracting knowledge from graphical models of microarray data* Beatrix Jones Massey University	*Assessment of lunar and indigenous fishing calendar predictions using recreational catch data of snapper* **Pagrus auratus** Ben Stevenson University of Auckland
1140		*Boundary kernels for adaptive kernel density estimators* Jonathan Marshall Massey University	*Reproducibility assessment & statistical quantification in mass spectral data from clinical proteomic study* Irene Zeng University of Auckland	*Fisheries in Ngati Kahungunu Rohe* Kylie Reiri Victoria University
1200		*On monotone regression* Berwin Turlach University of Western Australia	*Expression array analysis and interpretation* John Pearson University of Otago	*The potential of life-history models of Coho salmon dynamics* Sam McKechnie University of Auckland
1220		**Lunch (1 hour 10 minutes)**		
		Plenary session [OGGB4] *Chair: Alastair Scott*		
1330		*Alan's Statistical Saga: from Chapel Hill to Highland Park, with some Unexpected Directions, an Optimal Bet, and Trees that grow from People* Nick Fisher University of Sydney		
		Contributed sessions		
		Methods 2 **[OGGB4]** *Chair: Kate Lee*	**Sampling and surveys** **[OGGB5]** *Chair: Alan Welsh*	**Distributions** **[OGGB3]** *Chair: Robin Hankin*
1410		*Correlated winds and the risk of extreme power fluctuations* Barry McDonald Massey University	*Surveying in a time of earthquakes* Richard Penny Statistics New Zealand	*On a new subclass of the generalized inverse Gaussian distribution* Thomas Tran University of Auckland
1430		*Functional data classification via subspace projection* Pai-Ling Li Tamkang University	*Discarding the glass half full: An investigation into how households are discarded in the Household Economic Survey* Jessica Adams Statistics New Zealand	*Robust linear modelling using the hyperbolic distribution* Xinxing Li University of Auckland
1450		*Iterative methods in model fitting and diagnostics* Murray Jorgensen Waikato University	*LR tests with survival data from a sample survey* Alastair Scott University of Auckland	*A Poisson-Weibull model for comparing two independent populations* M. E. Ghitany Kuwait University
1510		**Afternoon tea (30 minutes)**		
		Contributed sessions		
		Multivariate statistics **[OGGB4]** *Chair: David Scott*	**Environment and ecology** **[OGGB5]** *Chair: Ian Westbrooke*	**Model selection and averaging** **[OGGB3]** *Chair: Howard Edwards*
1540		*Generalizations of Ward's method* Alan Lee University of Auckland	*Where did you get that rat? Using genetics to study the origins and swimming patterns of invasive pests* Rachel Fewster University of Auckland	*Bootstrapped model-averaged confidence interval* Jiaxu (Jimmy) Zeng University of Otago
1600		*Modelling longitudinal functional response data* Steve Lane University of Melbourne	*Estimating species richness and similarity under different treatment conditions* Austina Clark	*Focused Information Criteria, model selection and model averaging in a Tobit model with a non-zero threshold* Alan Wan City University of Hong Kong
1620		*Microdata for the masses: investigating the safety and utility of synthetic microdata* Mike Camden Statistics New Zealand	*The influence of near-pith material on the common climate signal* Maryann Pirie University of Auckland	*Threshold selection for modeling exceedances over a high threshold using a Bayesian measure of surprise* Kate Lee AUT University
1640		*Effects of heterogeneity of dispersions on multivariate distance-based permutation tests* Daniel Walsh and Marti Anderson Massey University	*Heterogeneous capture-recapture models with covariates: A partial likelihood approach for closed populations* Jakub Stoklosa	*Graphical models: penalized likelihood or decomposable Bayesian?* Marie Fitch University of Auckland
1700		*Factor analysis for Hektner's Future Emotion Scale* Thewaporn Anwar SHSS - College Humanities	*Linking zeros to abundance in zero-inflated models of species count data* Adam Smith Massey University	*Model selection for three-mode three-way data* Lynette Hunt Waikato University
1720		*Multivariate Gaussian processes* Robin Hankin AUT University	*A Bayesian state-space capture-recapture model for insular rat population dynamics* James Russell	
1740				
1800	**Social mixer** **Fale Pasifika Complex,** **Building 275,** **20 Wynard St, 6--8pm**	**Reception in honour of Alan Lee** **Old Government House**		
1930				

Tuesday 30 August			Wednesday 31 August			Time
Housekeeping [OGGB4]			**Housekeeping [OGGB4]**			850
Plenary session [OGGB4] *Chair: Chris Triggs*			**Plenary session [OGGB4]** *Chair: Thomas Lumley*			
Learning with sparsity Trevor Hastie Stanford University			*Statistical issues and challenges in analyzing high-throughput 'omics data in population-based studies* Xihong Lin Harvard University			900
Plenary session on SAS data mining [OGGB4] *Chair: Thomas Yee*			**Contributed sessions**			
			Genetics [OGGB4] *Chair: Thomas Lumley*	**Categorical data analysis 1 [OGGB5]** *Chair: Ivy Liu*	**Copulas and statistics education [OGGB3]** *Chair: Alan Wan*	
Feedback from the field: Two years later, are we any better off? Evan Stubbs SAS Australia & New Zealand			*iDArTs: thinking differently about genetic markers to unlock new resources* Emma Huang CSIRO	*Using algebraic methods to test the independence of ethnicity and resolution for drug-related crimes in NZ* Irene van Woerden University of Canterbury	*Finite mixtures of Archimedean copulas* Renate Meyer University of Auckland	950
			Diffusion approximation and maximum entropy Jing Liu University of Auckland	*Row-column association models* Thomas Yee University of Auckland	*A decision making model of contingent teaching enabled through classroom response systems* Sepideh Stewart University of Auckland	1010
Morning Tea (30 minutes)			**Morning Tea (30 minutes)**			1030
Contributed sessions			**Contributed sessions**			
Machine learning and data mining [OGGB4] *Chair: Trevor Hastie*	**Applied probability 1 [OGGB5]** *Chair: Ilze Ziedins*	**Biostatistics [OGGB3]** *Chair: John Koolaard*	**Design [OGGB4]** *Chair: Xihong Lin*	**Categorical data analysis 2 [OGGB5]** *Chair: Beatrix Jones*	**Bayesian statistics 2 [OGGB3]** *Chair: Kate Lee*	
Tree-structured models for difference and change detection in a complex environment Yong Wang University of Auckland	*Queueing up for enzymatic processing: correlations through coupled degradation* Ruth Williams University of California at San Diego	*Fitting regression models for response-biased problems* Gustavo Amorim University of Auckland	*MDS-optimal supersaturated designs* Arden Miller University of Auckland	*Biclustering and pattern detection for binary and count data* Shirley Pledger Victoria University	*Benchmarking WinBUGS and OpenBUGS to independent Metropolis-Hastings with heavy-tailed candidate for GLMs : Part 1* Toufiq Al Gheilani Waikato University	1100
A learning experience William Grant Massey University		*Case-cohort designs for the time failure data* Patricia Metcalf University of Auckland	*Sensitivity of EWMA control charts* Saddam Akber Abbasi University of Auckland	*Biclustering models for ordinal data* Eleni Matechou Victoria University	*Benchmarking WinBUGS and OpenBUGS to independent Metropolis-Hastings with heavy-tailed candidate for GLMs : Part 2* Bill Bolstad Waikato University	1120
Complexity measurement: A systematic approach to oversampling in imbalance data sets Nafees Anwar Massey University	*Heavy-traffic control and pricing for systems with leadtime sensitive customers* Tava Olsen University of Auckland	*The effect of early growth and development on life-long health. A case study of the Helsinki Birth Cohort* Elena Moltchanova University of Canterbury	*Designing a two-phase experiment for many treatments and few replicates in blocks of size two* Kathy Ruggiero University of Auckland	*Goodness-of-fit tests for logistic regression models using stochastic processes* Ivy Liu Victoria University	*Effects of incorporating GPS routing information into current traffic models* Katharina Parry Massey University	1140
Classifying digital ink Beryl Plimmer University of Auckland	*Mechanism design for wholesale market clearing under uncertainty* Golbon Zakeri University of Auckland	*Genome-wide Association Analysis with PLINK* Dug Yeo Han	*Complete allocation sampling: An efficient and easily implemented adaptive sampling design* Jennifer Brown University of Canterbury	*Modelling strategies for repeated multiple response data* Thomas Suesse University of Wollongong	*A principle for quality control in Bayesian analyses* Robin Willink	1200
Lunch + Poster session (1 hour 10 minutes)			**Lunch (1 hour 10 minutes)**			1220
Plenary session [OGGB4] *Chair: Andrew Balemi*			**Plenary session [OGGB4]** *Chair: Alastair Scott*			
Bayesian statistics: The Second Coming Wayne Stewart University of Auckland			*Handling nonresponse when fitting models to survey data* Alan Welsh Australian National University			1330
Contributed sessions			**Contributed sessions**			
Statistics education: general [OGGB4] *Chair: Andrew Balemi*	**Applied probability 2 [OGGB5]** *Chair: Ilze Ziedins*	**Quantile regression [OGGB3]** *Chair: Alain Vandal*	**Applied statistics 2 [OGGB4]** *Chair: Alastair Scott*	**Statistical computing [OGGB5]** *Chair: Robert Gentleman*	**Mixture models and methods 2 [OGGB3]** *Chair: Yong Wang*	
Using media reports to promote statistical literacy for non-quantitative majors Stephanie Budgett University of Auckland	*Models and measurements for cognitive radio systems* Peter Smith University of Canterbury	*On quantile regression* Arash Ardalan University of Auckland	*Attrition in the Longitudinal Immigration Survey: New Zealand (Wave1 to Wave3)* Maoxin Luo Statistics New Zealand	*What's in a name?* Paul Murrell University of Auckland	*Fitting mixture models made easy* Murray Jorgensen Waikato University	1410
Merging visions for statistics and mathematics education Mike Camden Statistics New Zealand	*Unsteady volcanic modelling* Mark Bebbington Massey University	*An exploratory approach of modeling nonstationarity for spatial quantile-based data analysis* Vivian Yi-Ju Chen Tamkang University	*An assumption-free small-sample procedure for the difference in medians* Robin Willink	*InfoDecompuTE: an R package for information decomposition in two-phase experiments* Kevin Chang University of Auckland	*GARCH model with scale normal mixture errors* Michael Kao University of Auckland	1430
The introductory statistics course and inference Maxine Pfannkuch University of Auckland	*A regionalization method based on a cluster probability model* Paul Cowpertwait AUT University	*On testing convex transform ordering* Muhyiddin Izadi Massey University	*Measuring the price movements of used cars and residential rents in the New Zealand Consumers Price Index* Frances Krsinich Statistics New Zealand	*Software for distributions* David Scott University of Auckland	*Mode-based clustering using nonparametric mixture models* Xuxu Wang University of Auckland	1450
Afternoon tea (30 minutes)			**Afternoon tea (30 minutes)**			1510
Contributed sessions						
Statistics education: Bayesian [OGGB4] *Chair: Andrew Balemi*	**Applied probability 3 [OGGB5]** *Chair: David Scott*	**Mixture models and methods 1 [OGGB3]** *Chair: Yong Wang*				
Bayesian statistics in NZ universities undergraduate curriculum Bill Bolstad Waikato University	*User optimal policies for a stochastic transportation network* Heti Afimeimounga University of Auckland	*Mixture survival models for identifying infant and senescent mortality* Rebecca Green Massey University	*Closing and student prizes announcement* ***[OGGB4]***			1540
Teaching MCMC in Bayesian statistics: What goes on behind the algorithm Wayne Stewart University of Auckland	*Sequential analysis of the Moran Process* Peter Green Otago University	*Application of a non-linear mixed model to stress-strain relationship of flax fibres* Chikako van Koten Agresearch				1600
AGM [OGGB5] **Official start: 16:30** **Please arrive early**						1620
						1640
						1700
						1720
						1740
Conference Dinner **The Bluestone Room, 9—11 Durham Lane**						1800
						1930