

Time	Monday 27/11 Housekeeping		Time	Tuesday 28/11 Housekeeping		Time	Wednesday 29/11 Housekeeping		Time	Thursday 30/11 Housekeeping	
850	Welcome Samuel Mueller, President Traditional welcome to Australia by a representative of the Bundjalung Elizabeth Thompson, President of the IBS		850	Cluster Capture-Recapture: A New Framework For Estimating Population Size Rachel Fewster University of Auckland		850	Statistics On Street Corners Dianne Cook Monash University		900	A General Framework For Functional Regression Modelling Sonja Greven LM University, Munich	
900			900			900			900		
940	Agricultural And Agri-Environmental Statistics With Support Of Geospatial Information, Methodological Issues Elisabetta Carfagna University of Bologna, Italy		950	Morning Tea (30 minutes)		950	Morning Tea (30 minutes)		950	Morning Tea (30 minutes)	
			1030	Missing Data Propensity Score Approaches In The Presence Of Missing Data: Comparison Of Balance And Treatment Effect Estimates Jannah Baker, The George Institute for Global Health	High Dimensional Data Visualising Model Selection Stability In High-Dimensional Regression Models Garth Tarr, University of Sydney	1030	Estimating Overdispersion In Sparse Multinomial Data Farzana Afroz, University of Otago	Fisheries Assessing Mud Crab Meat Fullness Using Non-Invasive Technologies Claire Wright, Queensland Department of Agriculture and Fisheries	1030	Hockey Sticks And Broken Sticks – A Design For A Single-Arm, Placebo-Controlled, Double-Blind, Randomized Clinical Trial Suitable For Chronic Diseases Hans Hockey, Biometrics Matters	Theory and Methods Bounding IV Estimates Using Mediation Analysis Thinking Theis Lange, University of Copenhagen
1030			1050	The Missing Link: An Equivalence Result For Likelihood Based Methods In Missing Data Problems Firouzeh Noghrehchi, University of New South Wales	Dimensionality Reduction Of LIBS Data For Bayesian Analysis Anjali Gupta, University of Auckland	1050	Statistical Analysis Of Coastal And Oceanographic Influences On The Queensland Scallop Fishery Wen-Hsi Yang, University of Queensland	Saved By The Experimental Design: Testing Bycatch Reduction And Turtle Exclusion Devices In The Png Prawn Trawl Fishery Emma Lawrence, CSIRO	1050	Correlated Bivariate Normal Competing Risks—Structuring Estimation In An Ill-Posed Problem Malcolm Hudson, Macquarie University	Bayesian Regression with Functional Inequality Constraints Joshua Bon, University of Western Australia
	Morning Tea (30 minutes)										
	Modelling	Sampling, Complex Surveys, and Mixed Models		Medical	Modelling		Model Selection	Agriculture/Horticulture		Genetics/Medical	Theory and Methods
1100	Developing A Regulatory Definition For The Authentication Of Manuka Honey Claire McDonald, Ministry for Primary Industries, NZ	On Testing Random Effects In Linear Mixed Models Alan Welsh, ANU	1110	Analysis of Melanoma Data with a Mixture of Survival Models Utilising Multi-class DLDA to Inform Mixture Class Sarah Romanes, University of Sydney	Forecasting Hotspots Of Potentially Preventable Hospitalisations With Spatially Aggregated Longitudinal Health Data: All Subset Model Selection With A Novel Implementation Of Repeated k-Fold Cross-Validation Matthew Tuson, University of Western Australia	1110	Subtractive Stability Measures For Improved Variable Selection Connor Smith, University of Sydney	GxE For Genomic Prediction Models Colleen Hunt, Queensland Department of Fisheries and Agriculture	1110	Genetic Analysis Of Renal Function In An Isolated Australian Indigenous Community Russell Thomson, Western Sydney University	The Performance Of Model Averaged Tail Area Confidence Intervals Paul Kabaila, La Trobe University
1120	Analysing Digestion Data Maryann Staincliffe, AgResearch Ltd.	Mixed Models For Complex Survey Data Xudong Huang, University of Auckland	1130	Identifying Clusters Of Patients With Diabetes Using a Markov Birth-Death Process Mugdha Manda, University of Auckland	Challenges Analysing Combined Agricultural Field Trials With Partially Overlapping Treatments Kerry Bell, Queensland Department of Agriculture and Fisheries	1130	Species Distribution Modelling For Combined Data Sources Ian Renner, University of Newcastle	A Factor Analytic Mixed Model Approach For The Analysis Of Genotype By Treatment By Environment Data Lauren Borg, University of Wollongong	1130	Deconstructing The Innate Immune Component Of A Molecular Network Of The Aging Frontal Cortex Ellis Patrick, University of Sydney	Bias Correction In Estimating Proportions by Pooled Testing Graham Heworth, University of Melbourne
1140	Challenges And Opportunities Working As A Consulting Statistician With A Food Science Research Group M. Gabriela BoragNONE, Queensland Department of Agriculture and Fisheries	The Impact Of Cohort Substance Use Upon Likelihood Of Transitioning Through Stages Of Alcohol And Cannabis Use And Use Disorder: Findings From The Australian National Survey On Mental Health And Well-Being Chirnae Bharat, National Drug and Alcohol Research Centre, Australia	1150	A Hidden Markov Model For Sleep Stage Detection Using Raw Tri-Axial Wrist Actigraphy Michelle Trevenen, University of Western Australia	Sparse Phenotyping Designs For Early Stage Selection Experiments In Plant Breeding Programs Nicole Cocks, University of Wollongong	1150	The LASSO On Latent Indices For Ordinal Predictors In Regression Francis Hui, ANU	Whole-Genome QTL Analysis For Nested Association Mapping Populations Maria Valeria Paccapelo, Queensland Department of Agriculture and Fisheries	1150	The Parametric Cure Fraction Model of Ovarian Cancer Serifat Folorunso, University of Ibadan, Nigeria	The Skillings-Mock Statistic For Ranks Data In Blocks John Best, University of Newcastle
1200	Robust Penalized Logistic Regression through Maximum Trimmed Likelihood Estimator Tang Wang, Shanxi Medical University, China	A Comparison Of Multiple Imputation Methods For Missing Data In Longitudinal Studies Md Hamidul Haque, Murdoch Childrens Research Institute	1210	Comparisons Of Two Large Long-Term Studies In Alzheimer's Disease Charley Budgeon, University of Western Australia	A One-Stage Mixed Model Analysis Of Canola Chemistry Trials Daniel Talhurst, University of Wollongong	1210	Fast And Approximate Exhaustive Variable Selection For GLMs With APES Kevin Wang, University of Sydney	Order Selection Of Factor Analytic Models For Genotype X Environment Interaction Emi Tanaka, University of Sydney	1210		
1220	Lunch (1 hour 10 minutes)		1230	A Semi-Parametric Linear Mixed Models For Longitudinally Measured Fasting Blood Sugar Level Of Adult Diabetic Patients Legesse Kassa Debushe, University of South Africa	Individual And Joint Analyses Of Sugarcane Experiments To Select Test Lines Renato Alcarde Sermarini, University of Sao Paulo, Brazil	1230	Lunch (1 hour 10 minutes)  AGM		1230	Lunch (1 hour 10 minutes)	
1330	A Multi-Step Classifier Addressing Cohort Heterogeneity Improves Performance Of Prognostic Biomarkers In Complex Disease Jean Yang University of Sydney		1250	Lunch (1 hour 10 minutes)		1340	Statistical Strategies for the Analysis of Large And Complex Data  Louise Ryan University of Technology Sydney and Harvard T.H. Chan School of Public Health				
	General/Education	Genetics					Design	Multivariate			
1420	How To Analyse Five Data Points With Fun Pauline O'Shaughnessy, University of Wollongong	An Approach To Poisson Mixed Models For -omics Expression Data Irene Zeng, University of Auckland				1430	Optimal Experimental Design For Functional Response Experiments Christopher Drovandi, Queensland University of Technology	To PCA Or Not To PCA Catherine McKenzie, AgResearch Ltd.			
1440	Bayesian Spatial Estimation When Areas Are Few Aswi Aswi, Queensland University of Technology	Knowledge-guided Generalized Biclustering Analysis for integrative -omics Analysis Qi Long, University of Pennsylvania				1450	An Evaluation of Error Variance Bias in Spatial Designs Emlyn Williams, ANU	New Model-Based Ordination Data Exploration Tools For Microbiome Studies Olivier Thas, Ghent University, Belgium			
1500	Understanding The Variation In Harvester Yield Map Data For Estimating Crop Traits Dean Diepeveen, Curtin University	Citizen Science To Surveillance: Estimating Reporting Probabilities Of Exotic Insect Pests Peter Caley, CSIRO				1510	Always Randomize? Chris Brien, University of South Australia and University of Adelaide	Comparing Classical Criteria For Selecting Intra-Class Correlated Features For Three-Mode Three-Way Data Lynette Hunt, University of Waikato			
1520	Afternoon tea (30 minutes)					1530	Afternoon tea (30 minutes)				
	Computing/Big Data	Environmental Statistics				1550	Agriculture/Horticulture	Bayesian Statistics	Population Genetics/Genomics		
1550	Introduction To "Deltagen" - A Comprehensive Decision Support Tool For Plant Breeders Using R And shiny Dongwen Luo, AgResearch Ltd.	Estimating Nitrous Oxide Emission Factors Alasdair Noble, AgResearch Ltd.					Exploring the social relationships of dairy goats Vanessa Cave, AgResearch Ltd.	Bayesian Semi-Parametric Spectral Density Estimation With Applications To The Southern Oscillation Index Claudia Kirch, University of Magdeburg, Germany	An Asymmetric Measure of Population Differentiation Based on the Saddlepoint Approximation Method Louise McMillan, University of Auckland		
1610	Analysis Of Smart Monitoring Data Of Gold3 Kiwifruit Lindy Guo, Plant and Food	Rethinking Biosecurity Inspections: A Case Study Of The Asian Gypsy Moth (AGM) In Australia Petro Kuhnert, CSIRO				1610	Efficient Multivariate Sensitivity Analysis Of Agricultural Simulators Daniel Gladish, CSIRO	Bayesian Hypothesis Tests With Diffuse Priors: Can We Have Our Cake And Eat It Too? John Ormerod, University of Sydney	Multiple Sample Hypothesis Testing Of The Human Microbiome Through Evolutionary Trees Martina Mincheva, Temple University, USA		
1645	Lightning Talks followed by Poster Session Kindly Sponsored by the Grains Research and Development Council										