Australasian Applied Statistics Conference, Rotorua NZ, 3-7 December 2018

Time	Tuesday morning	Wednesday morning	Thursday morning
8:45	Welcome	Notices	Notices
8:50	Chris Auld Large scale & real time data analytics	Alison Smith Design Tableau: An aid to specifying the linear mixed model for a comparative experiment	Peter Baker Computing tools for a Don't Repeat Yourself data analysis workflow and reproducible research
9:50	Benoit Liquet Statistical Methods for the Analysis of High-Dimensional and Massive Data using R	Nicole Cocks, Alison Smith, David Butler and Brian Cullis Efficient designs for early generation variety trials using genetic relationships	Janet Chaseling, Kyle James and Kirsty Wright Beyond statistical consulting: What role should statisticians play in ensuring good practice in the application and interpretation of statistics by disciplinary practitioners?
10:10	Peter Jaksons Ceci n'est pas une pipe… yet: Building data & analysis pipelines	Chris Lisle, Alison Smith, Carole Birrell and Connectivity, does it impact genetic variance parameter estimates in a Multi Environment Trial analysis?	Kerry Bell and Rao Rachaputi Answering the research question by identifying balanced embedded factorials in messy combined trials
10:30	Morning tea	Morning tea	Morning tea
11:00	David Baird Updates to Genstat 19	Graham Hepworth Statistical issues arising from the Australian Royal Commission into Institutional Responses to Child Sexual Abuse	Ruth Butler "From cradle to grave": making an impact from conception to publishing
11:20	Donghui Ma and Darren Murray Www.MixedModel.Academy as a SaaS learning tool	Ken Dodds, John McEwan, Timothy Bilton, Rudiger Brauning and Shannon Clarke A depth-adjusted Hardy-Weinberg test for low-depth sequencing data	Helene Thygesen Statistical inference and management decisions Linley Jesson
11:40	Robin Turner, Claire Cameron, Ella Iosua and Ari Samaranayaka Establishing a Biostatistics Unit at the University of Otago	Sarah Sonal, Philip Schluter, Martin Lee and Jennifer Brown Deprivation, Hospital admissions and previous dental appointment records in Early Childhood: A comparative use of traditional statistical modelling with machine learning	The view from the other side: a biologist's view of communicating statistics Gabriela Borgognone From heaven to hell… and how to find a way back!
12:00	Daisy Shepherd and Steffen Klaere Assessing model adequacy in phylogenetics - are the tools powerful?	Hans Hockey and Kristian Brock Hockey sticks and broken sticks – a design for a single-treatment, placebo-controlled, double-blind, randomized clinical trial suitable for chronic diseases	Discussion

Time	Friday morning
9:00	Notices
9:10	Poppy Miller, Chris Jewell, Peter Diggle and Kate Hacker Identifying hotspots of rat activity and how they affect the risk of leptospirosis in urban slums
9:30	Julie Mugford, Alex James and Elena Moltchanova Developing methods to improve the accuracy of classification based crowdsourcing
9:50	Ari Samaranayaka, Rohana Kumara De A predictive model for nodal metastases among oral cancer patients
10:10	Jillian Haszard, Kim Meredith-Jones, Sheila Williams and Rachael Taylor Analysing compositional time-use data in paediatric populations
10:30	Morning tea
11:00	Roger Payne 50 Years of Genstat ANOVA
12:00	Awards and Farewell
12:10	Lunch

Time	Tuesday afternoon	Wednesday afternoon	Thursday afternoon
12:20	Lunch	Lunch	Lunch
13:20	Robin Thompson Desert island papers - a life in variance parameter and quantitative genetic parameters estimation reviewed using ten papers	Conference Trips	Salvador Gezan Getting the most of my mixed model (and specially ASReml): applications in quantitative genetics and breeding
14:20	Arthur Gilmour ASReml moving forward		Jess Meza, Gururaj Kadkol, Steven Simpfendorfer, Steve Harden and Ky Mathews Crown Rot Tolerance in Durum Wheat
14:40	Chris Brien Mimicking anova in reml mixed modelling of comparative experiments using the R-package asremlPlus		Emi Tanaka, Pauline O'Shaughnessy, Chong You and Chris Brien Don't be so negative about negative estimates of variance components
15:00	Afternoon tea		Afternoon tea
15:30	Charlotte Jones-Todd Shared latent fields for mark-location dependence in a log Gaussian Cox process		Jelena Cosic, Steffen Klaere, Matthew Goddard and Bruno Fedrizzi Bayesian Network as a Modelling Tool for Increasing Knowledge on the Factors Influencing Vineyard Longevity and
15:50	James O'Malley, Pablo Martinez-Camblor, Todd MacKenzie, Doug Staiger and Philip Goodney Instrumental variable estimation in the Cox Proportional Hazards Model		Kyle James, Janet Chaseling, Kirsty Wright and Albert Gabric Statistical theory of rare event detection applied to forensic database establishment
16:10	Aswi Aswi, Susanna Cramb, Wenbiao Hu, Gentry White and Kerrie Mengersen The impact of covariates on the grouping structure of a Bayesian spatio-temporal localised model		Rodelyn Jaksons, Elena Moltchanova, Beverley Horn and Elaine Moriarty Estimating the Extent of Underreporting in Disease Counts
16:30	Pierre Lafaye de Micheaux, Pavlo Mozharovskyi and Myriam Vimond A notion of depth for curve data		Oliver Stevenson and Brendon Brewer Finding your feet: modelling the batting abilities of cricketers using Gaussian processes
16:50	Kouji Yamamoto A one-sided test to simultaneously compare the predictive values		Rory Ellis, Daniel Gerhard, Elena Moltchanova and Mike Trought Using Bayesian Growth Models to Predict Grape Yield
17:10	Poster Session		Conference Dinner
17:30	Drinks and viewing of posters		