

Australia and New Zealand Statistical Conference (ANZSC) and 10th Australian Conference on Teaching Statistics (OZCOTS) 5-9 July 2021 Virtual Conference					
Program is current as of 30 June 2021					
THURSDAY 8 JULY 2021					
The Peter Hall Auditorium					
Opening Session					
09:20	Housekeeping Day 4				
09:35	Presentation Sponsored by Griffith University - Menzies Health Institute Queensland Test-negative observational studies: testing assumptions about healthcare-seeking behaviour Prof Robert Ware				
ANZSC and OZCOTS Plenary Session					
Session chair: Ayse Bilgin					
09:45	Keynote Presentation Data Education in pre-College, Promises and Challenges Prof Robert Gould				
AM Break					
11:00	ABS Theatre	David Vere Jones Theatre	Helen Newton Turner Theatre	Leonard Cook Theatre	Susan Willson Theatre
	Mini Tutorial	Modelling and Probability	Bayesian Statistics	Statistical Theory and Modelling	OZCOTS
	160: An introduction to mixture modelling for unsupervised clustering Dr Nicole White	Session chair: Peter Baker	Session chair: Susanna Cramb	Session chair: Andriy Olenko	Session chair: Irene Zheng
		87: Asymptotic properties of maximum likelihood and restricted maximum likelihood estimators for nested regression models with large unbalanced clusters. Mr Ziyang Lyu	333: Reversible Jump Sequential Monte Carlo for Model Inference of Airborne Induced Polarisation Mr Laurence Davies	190: A Richards Growth Model to Predict Grape Yield Mr Daniel Gerhard	141: The influence of unreferenced instructor practices on student learning Prof Ian Gordon
		117: Robust subset selection Mr Ryan Thompson	59: Dominance of posterior predictive densities over plug-in densities for order statistics A/Prof Takeshi Kurosawa	123: Bradley-Terry models with hierarchical order effects Dr Alan Huang	33: Engaging diverse undergraduate cohorts with data stories: Insights from first-year student-driven projects Dr Di Warren
		270: Generalized Additive Method for Aggregated Data Mrs Wala Draidi	154: Robust Bayesian Estimation of Implicit Models under Misspecification A/Prof Christopher Drovandi	347: Practical bootstraps for Markov chain modelling Dr Alun Pope	213: Statistics: Your ticket to anywhere A/Prof Ayse Aysin Bilgin
		307: Sharpening Jensen's Inequality with Applications Prof Arthur Berg	46: Impact of Weather Conditions on Airport Arrival Delay and Throughput Prof Javier Cano	42: Correcting for bias in the estimation of proportions by pooled testing A/Prof Graham Hepworth	340: Relationship between statistics anxiety and final marks in introductory biostatistics in undergraduate health sciences students Prof Marijka Batterham
		66: Probability Distributions from the Extended Occupancy Problem Dr Ben O'Neill	236: Using Variational Approximation to fit a Generalized Linear Latent Variable Model to build a Generalized Discriminant Analysis Classifier Dr John Ormerod	60: A new, intuitive graphical tool to diagnose multivariate normality Prof David Warton	
		30: Multilevel frailty models for analysing recurrent event data with a clustering structure Prof Shu-Kay Angus Ng	99: Citizen science decisions: A Bayesian approach optimises effort Miss Julie Mugford	241: Risk Factor Assessment for the Incidence of Melanocytic Naevi Using 3D Total Body Photography and Automated Naevi Counts Mrs Dilki Jayasinghe	
11:15					
11:30					
11:45					
12:00					
12:15					

12:30 PM Break					
	<i>Invited Session - SSA Consulting Network</i>	<i>Bayesian Inference</i>	<i>Medical Statistics</i>	<i>Time Series</i>	<i>OZCOTS</i>
13:30	Session chair: Peter Baker	Session chair: Patrick Graham	Session chair: Sergine Lo	Session chair: Brenton Clarke	Session chair: Adam Molnar
13:40	354: My experiences running a statistical consulting Dr Joanne Potts	106: Comparison of various Robust Bayesian Inference against the outliers Dr Tomoyuki Nakagawa	211: A semiparametric joint binomial–Poisson model for the stimulation phase of an IVF cycle Dr Mark Donoghoe	67: Estimation of cyclic functional long-memory time series A/Prof Andriy Olenko	197: Statistical software for non-statisticians and non-computer programming students in education and social science disciplines: An evaluation of four contemporary tools Ms Sedigheh Abbasnasab Sardareh
13:45	357: Statistics as a business Dr John Henstridge	320: Robust Bayesian Analysis of Multivariate Time Series Mr Yixuan Liu	258: Learning from hindsight through stochastic modelling of the global response to the COVID-19 pandemic Dr David Warne	93: Estimating Seasonal/Cyclical Long Memory Time Series Mr Richard Hunt	51: Automated, receptive and interactive: A classroom-based data generation exercise Dr Dean Langan
14:00		139: Social selection and firm participation in Australian business networks Mr Joseph Chien	97: Using lotteries to award funding in health and medical research Prof Adrian Barnett	271: Asymmetric autoregressive models: Statistical aspects and a financial application under COVID-19 pandemic A/Prof Shuangzhe Liu	287: Assessment Research on Open-ended Test Items of Elementary Statistics Based on SOLO Taxonomy: Large-Scale Test in China Miss Yaoyao Dong
14:15	355: Client Management for a successful statistical consultancy: Client Archetypes and strategies for dealing with each. Mr Chris Howden	345: Using expert knowledge to adapt Dynamic Bayesian Network seagrass ecosystem models to new sites Miss Paula Hatum	295: Statistical medical education in the future using the avalanche of coronavirus websites, databases, libraries and prediction algorithms to understand, comprehend and assimilate the wealth of information. Mrs Deborah Hilton	298: Accounting for COVID-19 Effects on Official Statistical Time Series. Mr Richard Penny	Keynote Presentation 31: Leadership across the educational diversity of Statistics and Data Science Prof Helen Macgillivray Session chair: Ayse Bilgin
14:30	356: Liquid Gold or Literal Gold – Gaining Value from Milk Data Ms Lisa Thomassen	185: Bayesian small domain population estimation from administrative data subject to both under and over-coverage. Dr Patrick Graham	145: Impact of loss to follow-up in cohort studies on estimates of 10 well-established exposure and outcome relationships Dr Grace Joshy	281: Probabilistic ensemble forecasting of Australian COVID-19 cases Prof Rob Hyndman	
14:45					
15:00 - 15:30 ANZSC 2021 Conference Closing Session					
Presentation of Pitman Prize					
Closing Address					

10th Australian Conference on Teaching Statistics (OZCOTS) 5-9 July 2021 Virtual Conference	
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FRIDAY 9 JULY 2021	
The Peter Hall Auditorium	
OZCOTS <i>Session chair: Adam Molnar</i>	
09:00	Keynote Presentation 243: Approaches to Elementarise Statistical Inference Prof Manfred Borovcnik <i>Session chair: Ayse Bilgin</i>
09:45	283: Defining Randomness? Miss Amy Renelle
10:00	344: Learning MLE concepts by estimating n in binomial distribution Mr Ian Shannon
10:15	132: Highly engaging Bayesian demonstrations Dr Damjan Vukcevic
10:30	AM Break
OZCOTS <i>Session chair: Tania Prvan</i>	
11:00	294: Learning Analytics to Predict Final Grade Partway through Introductory Statistics Dr Adam Molnar
11:15	310: Introducing Bayesian Inference with the Taxicab Problem Prof Arthur Berg
11:30	314: A study of WIL in statistics and analytics: what has been achieved and what can be improved? Dr Yan Wang
11:45	309: A job-ready assessment for post-graduate level introductory Biostatistics courses: design and implementation Dr Darsy Darssan
12:00	195: Building employability capabilities in data science students: An interdisciplinary, industry-focussed approach A/Prof Sonia Ferns, Dr Alope Phatek, A/Prof Susan Benson, Ms Nina Kumagai
12:15	133: Steering students past the 'true model myth' Dr Damjan Vukcevic
12:30	PM BREAK
OZCOTS <i>Session chair: Yan Wang</i>	
13:30	72: Online Q&A in Statistics - Using the StackExchange Network Dr Ben O'Neill
13:45	255: Assessment Randomisation in Statistics and Related Disciplines Dr Andrew Zammit-Mangion
14:00	204: Different approaches to project work in statistics classes Dr Tania Prvan, A/Prof Ayse Aysin Bilgin
14:15	239: The effects of nudging on in-semester student learning behaviour and emotions: A case study of students at risk Ms Charanjit Kaur, Dr Ainura Tursunaliyeva
14:30	130: Effective Questioning in "Interactive Lectures": An Alternative Approach Dr Paul Fijn
14:45 - 15:00	149: My Experience in teaching statistics to international students in Auckland, NZ Mrs Sawsan Al-Shamaa