

WOMBAT 2019 PROGRAM

THURSDAY 28 NOVEMBER 2019

8:30 am	Registration
9:00 am	Introduction by Di Cook Hadley Wickham – My fourteen year fight with data reshaping
10:00 am	Q & A
10:30 am	Tea break
	Session chair - Miles McBain
11:00 am	Dean Marchiori - Pearls and pitfalls of time series analysis using Google Analytics data
11:30 am	Ben Fulcher - Inferring low-dimensional parametric variation underlying time-series datasets
12:00 noon	Yanan Fan - Bayesian Semiparametric Density estimation for Ensemble of Climate Models
12:30 pm	Lunch
	Session chair - Catherine Forbes
1:30 pm	Richard Beare - Opportunities and challenges in longitudinal neuroimaging studies
2:00 pm	Nick Tierney - Exploring and understanding the individual experience from longitudinal data, or “How to make better spaghetti (plots)”
2:30 pm	Gabriela d'Souza - How immigration affects local labour markets: Estimation strategies for identifying the impact of immigration on local labour market outcomes
3:00 pm	Tea break
	Session chair - Ben Fulcher
3:30 pm	Sevvandi Kandanaarachchi - DOBIN: dimension reduction for outlier detection
4:00 pm	Andrew Kawai - Discovering themes in social media (Twitter) activities related to neurological disorders
4:30 pm	Catherine Forbes - Updating Variational Bayes: Fast sequential posterior inference
5:00 pm	Finish

FRIDAY 29 NOVEMBER 2019

9:00 am Introduction by Rob Hyndman

Galit Shmueli – *Re-purposing Classification & Regression Trees for Causal Research with High-Dimensional Data*

10:00 am	Q & A
10:30 am	Tea break
11:00 am	Session chair - Nick Tierney Simon Angus - <i>Estimating Sleep & Work Hours from Alternative Data by Functional Classification Analysis (FCA)</i>
11:30 am	Petra Kuhnert - <i>Modelling a Model with Another Model: Exploring how Neural Networks can be used to Mimic Complex Agricultural Processes</i>
12:00 noon	Emi Tanaka - <i>Software design, selection and estimation for latent variable models</i>
12:30 pm	Lunch
1:30 pm	Session chair - Emi Tanaka Miles McBain - <i>So Hot Right Now: Data Science at Queensland Fire and Emergency Services</i>
2:00 pm	Janice Scealy - <i>Elliptical symmetry models and robust estimation methods on spheres</i>
2:30 pm	Don Vicendese - <i>Predicting the whole distribution with methods for depth data analysis demonstrated on a colorectal cancer treatment study</i>
3:00 pm	Tea break
3:30 pm	Session chair – Sevvandi Kandanaarachchi Lydia Lucchesi - <i>Using the Vizumap package to visualise uncertainty in spatial estimates</i>
4:00 pm	Stephanie Kobakian - <i>Hexagon tile maps: communicating spatial distributions of disease data in Australia</i>
4:30 pm	Jackson Kwok - <i>An outlook of interactive visualisation in R</i>
5:00 pm	Finish