

Twins Research Australia Seminar
and Workshop Program

Introduction to Statistical Analysis of Data from Twins



Tuesday 26 September 2017

Lecture Theatre 3, Room 121,
Alan Gilbert Building, 161 Barry St, Carlton



MELBOURNE SCHOOL OF
POPULATION
& GLOBAL
HEALTH

Timetable

Time	Activity
9.00 – 9.15	Registration
9.15 – 9.30	Welcome and brief introduction on the benefits of involving twins in research <i>John Hopper, Director, TRA, University of Melbourne</i>
9.30 – 9.45	Introduction to twin methodology <i>Katrina Scurrah, TRA Biostatistician, University of Melbourne</i>
9.45 – 10.00	Determining zygosity <i>Jeff Craig</i>
10.00 – 11.00	Initial data exploration and cleaning; interpretation of p-values and confidence intervals <i>Enes Makalic</i>
11.00 – 11.15	Morning tea
11.15 – 12.00	Continuous outcomes I-covariance and correlation <i>Gillian Dite</i>
12.00 – 13.00	Binary outcomes <i>Katrina Scurrah</i>
13.00 – 13.45	Catered lunch
13.45 – 14.15	Methods of analysis for designs other than the classic twin design <i>Katrina Scurrah</i>
14.15 – 14.45	Continuous outcomes II-variance components <i>Gillian Dite</i>
14.45 – 15.00	Online data collection and management <i>Adrian Bickerstaffe</i>
15.00–15.15	Afternoon tea
15.15–15.45	Knowledge translation and exchange: pathway to impact <i>Rebecca Armstrong, Public Health Insight</i>
15.45–16.00	Wrap-up <i>John Hopper</i>
16.00–17.00	Working on own data <i>Katrina Scurrah, Gillian Dite, Enes Makalic, Minh Bui, James Dowty</i>