

Twins Research Australia Seminar  
and Workshop Program

# Introduction to Statistical Analysis of Data from Twins



THE UNIVERSITY OF  
SYDNEY



THE UNIVERSITY OF  
MELBOURNE

MELBOURNE SCHOOL OF  
POPULATION  
& GLOBAL  
HEALTH

**5–6 June 2018**

Abercrombie Business School, ABS Building H70, Case  
Study Lecture Theatre 2140, University of Sydney,  
Darlington, NSW

# Timetable

## Day 1

Time	Activity
8.45–9.00	Registration
9.00–9.10	Welcome and brief introduction on the benefits of involving twins in research <i>Paulo Ferreira</i>
9.10–9.50	Introduction to the twin methodology <i>Katrina Scurrah</i>
9.50–10.15	Review of statistical inference <i>Katrina Scurrah</i>
10.15–10.45	Data exploration <i>Gillian Dite</i>
10.45–11.00	Catered morning tea
11.00–11.30	Regression models for correlated data <i>Katrina Scurrah</i>
11.30–12.30	Analysis of continuous outcomes <i>Gillian Dite</i>
12.30–13.30	Catered lunch
13.30–14.30	Practical session 1 (supplied data) <i>Katrina Scurrah and Gillian Dite</i>
14.30–15.30	Methods for binary outcomes <i>Katrina Scurrah</i>
15.30–16.30	Practical session 2 (supplied data) and consulting <i>Katrina Scurrah and Gillian Dite</i>

## Day 2

Time	Activity
9.00–10.30	Consulting <i>Katrina Scurrah and Gillian Dite</i>
10.30–11.00	Catered morning tea
11.00–12.30	Introduction to Solar software <i>Katrina Scurrah</i>
12.30–13.30	Catered lunch
13.30–14.30	Other twin designs and research questions <i>Gillian Dite</i>
14.30–15.30	Practical session 3 (supplied data) <i>Katrina Scurrah and Gillian Dite</i>
15.30–16.00	Twins research showcase <i>Katrina Scurrah and Gillian Dite</i>
16.00–16.15	Summary and overview
16.15–17.00	Consulting <i>Katrina Scurrah and Gillian Dite</i>