

Twins Research Australia Seminar
and Workshop Program

Introduction to Statistical Analysis of Data from Twins



MELBOURNE SCHOOL OF
POPULATION
& GLOBAL
HEALTH

20-21 June 2018

UWA Business School, Michael Chaney Case Study Room,
Ground Floor G42, Crawley Campus,
The University of Western Australia

Timetable

Day 1

Time	Activity
8.45 – 9.00	Registration
9.00 – 9.05	Welcome and brief introduction on the benefits of involving twins in research <i>TBA</i>
9.05 – 9.45	Introduction to the twin methodology <i>Katrina Scurrah</i>
9.45 – 10.15	Review of statistical inference <i>Katrina Scurrah</i>
10.15 – 10.45	Twin data exploration using Stata <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	Continuous outcomes (correlations, covariances and variance components) <i>Gillian Dite</i>
12.30 – 13.30	Catered lunch
13.30 – 14.30	Practical session (supplied datasets) <i>Katrina Scurrah and Gillian Dite</i>
14.30 – 15.30	Binary outcomes <i>Katrina Scurrah</i>
15.30 – 16.30	Consulting/Practical session 1 (own or supplied data) <i>Katrina Scurrah and Gillian Dite</i>

Day 2

Time	Activity
9.00 – 10.30	Consulting/Practical session 2 (own or supplied data) <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 – 15.00	Other twin designs and research questions <i>Katrina Scurrah</i>
15.00 – 15.30	Detailed worked data analysis example <i>Gillian Dite</i>
15.30 – 15.45	Summary and overview <i>TBA</i>
15.45 – 16.30	Consulting/Practical session 3 (own or supplied data) <i>Katrina Scurrah and Gillian Dite</i>