

Twins Research Australia Seminar
and Workshop Program

Introduction to Statistical Analysis of Data from Twins



MELBOURNE SCHOOL OF
POPULATION
& GLOBAL
HEALTH



THE UNIVERSITY OF
SYDNEY

Thursday 30 November 2017

Seminar Room 1.1, Charles Perkins Centre
Johns Hopkins Drive, The University of Sydney

Timetable

Time	Activity
8.45–9.00	Registration
9.00–9.05	Welcome and brief introduction to the benefits of involving twins in research <i>Paulo Ferreira</i>
9.05–9.45	Introduction to twin methodology <i>Katrina Scurrah</i>
9.45–10.15	Review of statistical inference <i>Enes Makalic</i>
10.15–10.45	Twin data exploration using Stata <i>Enes Makalic</i>
10.45–11.00	Morning tea
11.00–11.30	Regression models for correlated data <i>Enes Makalic</i>
11.30–12.30	Continuous outcomes: Correlations, covariances and variance components <i>Gillian Dite</i>
12.30–13.00	Lunch
13.00–13.30	Practical session (working with supplied data) <i>Katrina Scurrah, Gillian Dite and Enes Makalic</i>
13.30–14.30	Binary outcomes <i>Katrina Scurrah</i>
14.30–14.45	Afternoon tea
14.45–15.30	Other twin designs and research questions <i>Katrina Scurrah</i>
15.30–15.45	Summary and overview <i>Paulo Ferreira</i>
15.45–17.00	Practical session (working with your own data) <i>Katrina Scurrah, Gillian Dite and Enes Makalic</i>