Linear and logistic regression analysis in health and clinical research

3 day workshop

The **Melbourne Clinical and Translational Sciences Platform** (MCATS) at the University of Melbourne is conducting a three-day workshop to guide graduate research students, early-career researchers and health and clinician researchers in understanding how to apply, report and interpret linear and logistic regression analyses of health data. This course will provide an understanding of the principles behind linear and logistic regression and an overview of how to fit these models in the statistical software packages Stata and R. Emphasis will be placed on model interpretation and reporting of results.

Venue:	Old Engineering Building, University of Melbourne, Parkville, VIC
Date:	17th-19th February 2020
Time:	9am – 5pm
Enquiries:	Dr Ronelle Welton: mcats-info@unimelb.edu.au
Costs:	Early bird: $1250 (non-student) or $1100 (student)
	Full price: $1350 (non-student) or $1150 (student)
	Costs include refreshments and lunch.

Please complete the **registration form** by 22nd January 2020 to secure the early bird rate.

The workshop will cover:

- Linear and logistic regression with a single continuous or categorical exposure variable
- Linear and logistic regression with multiple exposure variables
- Regression models with interaction terms
- Practical guidance on fitting, reporting and interpreting linear and logistic regression models
- Hands-on experience in fitting linear and logistic regression models using Stata and R

All participants are required to bring a laptop computer with either Stata or R installed for use during the practical sessions. Participants must already be familiar with either Stata or R as this course will assume some knowledge of these packages.

Who should attend?

This course is for graduate research students, early-career researchers and health and clinician researchers who have used simple statistical methods (such as comparing the mean of a continuous outcome between two groups using a t-test) who are interested in developing knowledge of how to fit regression models to account for confounders and interactions.

Presented by

Dr Anurika de Silva

Dr Karen Lamb

Prof Julie Simpson