



## Stata Workshop for Registry Science

### Date

Thu 18 – Fri 19 May 2017  
0900 - 1700

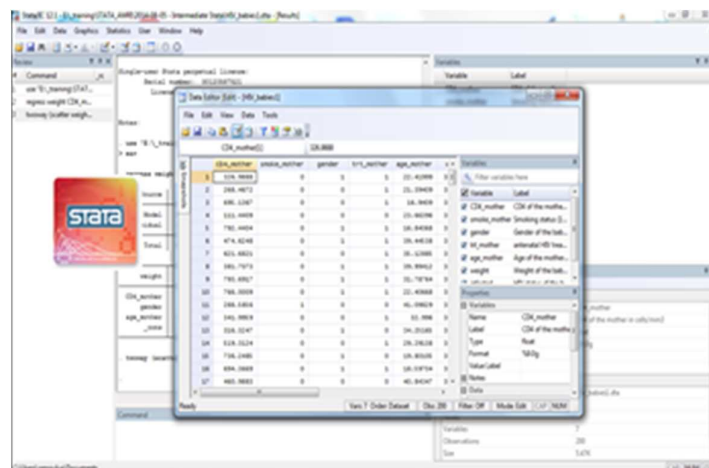
### Venue

Cambridge Hotel  
212 Riley St, Surry Hills  
Sydney NSW 2010

### Workshop Synopsis

This two-day workshop is designed specifically for those interested in the use of Stata to analyse data from longitudinal studies such as clinical registries, routinely collected health data and even cohort studies. The first day includes an introduction to Stata and data management topics such as recoding and computing variables, reshaping and merging datasets, etc. This will be followed by statistical tools and techniques that can be utilised to report data from registries. The second day follows through with more advanced statistical models that would be useful for longitudinal data such as Generalised Estimating Equations (GEE) and time series analysis using Autoregressive Integrated Moving Average (ARIMA) models. Finally, advanced graphics such as risk-adjusted funnel plots, cusum plots will be taught. Simulated clinical registry datasets will be used to exemplify the statistical models and tools introduced in class. The lectures will be inter-dispersed with a number of practical sessions, where participants will get an opportunity to put into practice what they have been taught in class. A basic knowledge of Stata would be helpful but is not a pre-requisite for this course. The target audience is anyone working on the analysis and reporting of data from clinical registries, routinely collected health data and other longitudinal studies.

**Course Fee AUD\$750 for the two-day course.** Early bookings are essential as this course has historically filled up quickly and seats are limited due to hands-on practical sessions. 96% of participants from a previous workshop said *“they would recommend this course to others”*. Course fee includes a printed Stata manual, catering daily and a softcopy of manual/training license for Stata via thumb drive (received on day 1). Please advise if you have any dietary requirements.



## Facilitators

### Arul Earnest

Associate Professor, Biostatistics Unit  
Senior Biostatistician, Registry Sciences Unit  
Department of Epidemiology & Preventive Medicine  
School of Public Health & Preventive Medicine  
Monash University

Arul's research interest is in Bayesian spatio-temporal models, longitudinal analysis and risk-adjustment models. For close to 20 years, Arul has provided consultative and collaborative methodological input to clinician researchers and hospital administrators. The outcome for some of this work has been more than 135 publications in a variety of peer-reviewed international medical journals, including BMC Health Services Research, BMJ and JAMA, mostly using Stata for the analysis. Arul is also the author of the book "Essentials of a Successful Biostatistical Collaboration" published by CRC Press in September 2016. He has extensive experience in conducting talks on biostatistics and research methodology, and he particularly enjoys conducting Stata workshops. Arul will be assisted by Breanna Pellegrini, Michael Esler and Mark Tacey in conducting this workshop.

### Payment and Registration

**Payment is by credit card only. Please click on the following link to pay (and register)**

<http://ecommerce.med.monash.edu.au/product.asp?plD=813&clD=58>

Enquiries: [crepatientsafety@monash.edu](mailto:crepatientsafety@monash.edu) ph: 03 9903 0891

### **Important note:**

Please note that your registration will only be confirmed once payment is received, then you will be notified via email of successful registration. Discount and cancellation policies are as follows:

1. There is an early-bird registration discounted price of A\$650 when registration is made on or before 18 April 2017. We regret we are unable to offer any other discounts.
2. Refunds can only be made (minus A\$110 administrative fee) when received in writing on or before 8th May 2017 with a valid reason. Subsequent to that date, there will unfortunately be no refunds.
3. We will refund all of your fees should we cancel the workshop for any reason, including insufficient enrolments.
4. Single day registration is not possible.

### **Accommodation**

For delegates attending this function who require accommodation please contact Sarah at the hotel directly to receive 10% off the hotel's online rates. Sarah's details are:

Sarah Ferris  
Sales and Online Distribution Manager  
Cambridge Hotel, Surry Hills, NSW  
ph: 02 9215 5161  
email: [sarah@cambridgehotel.com.au](mailto:sarah@cambridgehotel.com.au)  
website: <http://cambridgehotel.com.au/>

## Stata Workshop for Registry Science

### Program

#### Day 1: Thursday 18<sup>th</sup> May 2017

Time	Topics
0900	<b>Registration &amp; software installation (if required)</b>
0930	Importing data into Stata, label variables, recode and compute variables, merging and reshaping datasets, simple descriptive statistics
1030	Practical session
1115	<b>Tea break (catering provided)</b>
1130	Reporting data from registries
1300	<b>Lunch (catering provided)</b>
1400	Reporting data from registries (cont'd)
1500	<b>Tea break (catering provided)</b>
1530-1700	Practical session

#### Day 2: Friday 19<sup>th</sup> May 2017

Time	Topics
0900	Longitudinal analysis of registry data - generalized estimating equation (GEE) modelling
1000	Practical session
1100	<b>Tea break (catering provided)</b>
1130	Longitudinal analysis of registry data - ARIMA modelling
1230	<b>Lunch (catering provided)</b>
1330	Practical session
1430	Advanced graphics using registry data - funnel plots, cusum charts, etc
1530	<b>Tea break (catering provided)</b>
1600-1700	Practical session
1700	End of Course

Please bring your laptop, as this will not be provided in the workshop. You can load a training copy of Stata in the morning of the first day (if you do not already have a copy), which will be provided to you free of charge. This training version of Stata will have full functionality but a limited time validity.