Advanced Longitudinal Data Analysis in Ageing Research
A 3.5-day workshop for early career researchers
9-12 December 2019, UNSW Sydney

The ARC Centre of Excellence in Population Ageing Research (CEPAR) is proud to offer this 3.5 day workshop for early career researchers at the University of New South Wales, Sydney.

Introduction
Some people age well, with only relatively modest decrements in performance, whereas others age in such a way that they have multiple health and social care needs. Exposing why this heterogeneity exists is of profound importance if we are to understand the ageing process and how interventions can be deployed to increase healthy life expectancy. Statistical techniques that uncover the drivers of this heterogeneity are key. This workshop will cover some statistical techniques that quantify the impact of person specific factors on competing health outcomes and how they impact healthy life expectancy.

Participants should have a good grounding in basic statistical concepts and ideas, experience of conducting statistical analyses and interpreting statistical output. Participants will be required to bring their own laptops with installed statistical software (R and RStudio). If they wish, participants may bring their own datasets however guidance can only be guaranteed for those datasets provided as part of the course.

Prerequisites
This will be a fast-paced workshop. Participants should have a good quantitative background with experience of manipulating longitudinal data sets. A basic knowledge of R and RStudio would be advantageous, however a basic introduction to the platform will be given.

Presenter's Biography
Andrew is a Chartered Statistician and a Research Fellow from Newcastle University's Institute for Ageing, UK. He has an undergraduate degree in Mathematics, a master's degree in Medical Statistics and a PhD in Statistical Epidemiology. His principal area of technical interest relates to statistical methods to analyse complex longitudinal data. His mathematical expertise centres on methodology used to analyse longitudinal continuous and categorical data (multi-state modelling, group-based trajectory modelling accounting for non-random subject attrition). Andrew's other interests include microsimulation and methods of calculating healthy life expectancy. He has worked on many of the longitudinal studies of ageing from the UK, and some from Australia (DYNOPTA). Andrew has published extensively on mechanisms and pathways to disability in older people using longitudinal data.

Workshop Schedule
The full workshop schedule and further information will be published closer to the date.

Travel Bursaries

A number of travel bursaries valued at up to $750 will be offered to assist interstate participants with travel and accommodation expenses.

Applications

A limited number of places are available. Applications must be made on the prescribed APPLICATION FORM and submitted by 18 October 2019.

Selection

PhD students are eligible to apply but preference may be given to Early Career Researchers (researchers who have completed a PhD in the last 5 years).

Cost

There is no charge for the workshop. The workshop is supported by funding provided to CEPAR by the Australian Research Council to support the training of Early Career Researchers.

Key Dates

10 September	Applications open
18 October	Applications close
4 November	Applicants notified of outcomes
9-12 December	Workshop

Enquiries

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Accommodation Options

The Coogee Sands	https://www.coogeesands.com.au/ (UNSW/CEPAR rate of $188 per night)
Dive Hotel Coogee	https://www.divehotel.com.au/
Coogee Bay Hotel	https://coogeebayhotel.com.au/stay/boutique-style/
Randwick Lodge	https://www.sydneylodges.com/accommodation/randwick/lodge/6/randwick-lodge.html
Alison Lodge	https://www.sydneylodges.com/accommodation/randwick/lodge/9/alison-lodge.html
Royal Hotel Randwick	http://royalhotelrandwick.com.au/accommodation/