Handling missing data in administrative studies: multiple imputation and inverse probability weighting

Date: Monday, 2 December 2019
Time: 9am – 5pm
Cost: AU$200 (IBS Member), AU$250 (Non-member), AU$100 (Concession)
Location: University of Adelaide, Waite Campus, Room TBA
URL: https://ausbiometric2019.org/workshops/

The course will consider the issues raised by missing data (both item and unit non-response) in studies using survey and routinely collected data, for example electronic health records. Following a review of the issues raised by missing data, we will focus on two methods of analysis: multiple imputation and inverse probability weighting. We will also discuss how they can be used together. The concepts will be illustrated with medical and social examples.

James Carpenter is professor of medical statistics at the London School of Hygiene & Tropical Medicine, and has a 50% secondment to the MRC Clinical Trials Unit at UCL. Research interests include: missing observations (both outcomes and covariates), in particular the method of multiple imputation and sensitivity analysis; meta-analysis; multilevel modelling and bootstrap methods, with social and medical applications.