James Doidge

“An introduction to missing data and its implications in child health research”

Date: Thursday 22\textsuperscript{nd} February 2018
Time: 2.00pm – 3.30pm
Venue: June Lloyd Room (PUW 4)

Biography

James Doidge is Senior Research Associate in the Administrative Data Research Centre for England. A methodologist trained in epidemiology and health economics, James is currently developing methods for record linkage and analysis of linked data, building on his previous work in a closely related topic, missing data. James methodological research has wide-ranging applications in child health and he is currently exploring the interactions between health- and education-based services for children with Down Syndrome. James's other work examines the long-term impacts of adverse childhood experiences on health, social and economic wellbeing.

Abstract

Missing data are an almost universal problem in research. This seminar will provide an introduction to important concepts in missing data and the strengths and limitations of different approaches for handling it, including multiple imputation, inverse probability-weighting and maximum likelihood. I will then present findings from methodological research examining the implications of using different techniques for handling missing data in the context of a longitudinal study of adverse childhood experiences. This research illustrates one of the hardest problems to address in missing data: what to do when data are unlikely to be missing at random?

This event is part of the UCL Institute of Child Health Population, Policy and Practice Programme monthly seminar series.

For any queries please contact ich.ppp.programme@ucl.ac.uk