



# Lancaster Postgraduate Statistics Centre Short Courses 2015-2016

## Continuing Professional Development Courses in Statistics

The Lancaster Postgraduate Statistics Centre was established in 2005 as the only HEFCE funded Centre of Excellence for Teaching and Learning that uniquely specialises in postgraduate statistics. Courses are taught by members of the Statistics Group within the Department of Mathematics and Statistics.

### What do we offer?

We offer a wide range of statistics courses and a variety of ways to learn. The following courses run regularly each year, but are subject to change. **Please check our website for the most up-to-date information.**

For more information including fees or to book on a short course, please visit our website at [lancaster.ac.uk/maths/short-courses](http://lancaster.ac.uk/maths/short-courses) or email us at [psc@lancaster.ac.uk](mailto:psc@lancaster.ac.uk).

## Courses for Scientists, Social Scientists and Health Professionals

### Introductory short courses

Introduction to Statistics using SPSS (SPSS I)	19-20 November 2015
Secondary Data Analysis	25 November 2015
Questionnaire Design, Reliability and Validity	1 December 2015
Sampling Design	2 December 2015
Modelling Data in SPSS (SPSS II)	10-11 March 2016

### Going further with statistics

Using R software	15-16 October 2015
Introduction to Multiple Linear Regression	29-30 October 2015
Modelling Binary and Count Data	5-6 November 2015
Data Mining Techniques	18-19 February 2016
Bayesian Methods	29 February-1 March 2016
Structural Equation Modelling using AMOS	18-19 April 2016
Multi-Level Models	27-28 April 2016
Methods for Missing Data	4-5 May 2016
Methods for Analysing Crime Data	18-19 May 2016

**MSc/PgDip/PgCert in Quantitative Methods:** Study a selection of courses full-time or part-time and get a postgraduate qualification (eg. 6 courses for a PgCert). Optional MSc pathways include scientific research methods, social and crime statistics, statistical methods for health research or teaching statistics.

### Specialist Topics in Medical and Pharmaceutical Research

Data and Safety Monitoring Board Workshop	21 September 2015
Pharmacological Modelling	8-11 February 2016
Survival and Event History Analysis	22-25 February 2016
Adaptive and Bayesian Methods in Clinical Research	7-10 March 2016
Genomics: Technologies and Data Analyses (registration deadline is 31 January for this workshop)	11 March 2016
Designing Phase I Dose Escalation Studies	6 June 2016

**MSc in Statistics:** Choose optional pathways in medical, pharmaceutical or environmental statistics. Study advanced techniques. For those with a background in mathematics or statistics.

