

sigma Midlands Hub Statistics Training Event
2nd and 3rd December 2014
University of Northampton

Statistics and quantitative data analysis techniques are increasingly used in “non-mathematical” disciplines such as the social sciences and humanities, as well as in the STEM subjects. This places an increasing demand on tutors, lecturers and learning assistants who support students in this area, either through in-course tutorials or through maths support centres or other central academic skills provision.

This free event organised by the **sigma** Midlands Hub will address an emerging need on the part of maths support tutors who might be less confident with statistics than other areas of mathematics and numeracy.

Statistics for Mathematicians – 2nd December 2014

This session will teach you how to complete (and support students to complete) some of the more straightforward statistical methods that are commonly seen in a maths support environment.

We will cover:

- Descriptive statistics; selecting the ‘best’ measures of central tendency
- Correlation and simple linear regression
- Simple significance testing;
- Confidence Intervals
- Identifying when you need ‘expert’ help

Introduction to SPSS: Boot Camp – 3rd December 2014

This session will teach you how to use (and support students to use) the popular statistical software package SPSS. It is assumed you will be familiar with the statistical techniques covered in the **Statistics for Mathematicians** session.

We will cover:

- The SPSS interface; defining variables and coding data;
- Producing descriptive statistics and graphs;
- Correlation; simple significance testing;
- Interpreting the SPSS output window.

Delegates will have hands-on individual use of a PC running SPSS throughout the day.

Overnight accommodation is available at the University of Northampton on the nights of the 1st and 2nd December at a cost of £51 for a standard room and £66.45 for a superior room, both including breakfast. **sigma** may be able to assist with the cost of accommodation and transport in cases of hardship if your institution is in England and is unable to cover this. NOTE THAT ACCOMODATION BOOKING MUST BE MADE BY THE 1ST NOVEMBER 2014.

If you would like to attend on or both days, please book by emailing **Ruth Fairclough** at r.fairclough@wlv.ac.uk. Please indicate which session(s) you would like to attend and any specific dietary requirements. If you require overnight accommodation please indicate this at the time of booking and state whether you wish to apply for any financial assistance for travel and/or accommodation. Priority will be given to those representing institutions from the Midlands area.