

# Introductory Statistics Course: How to Analyse My Data – 2011

## ***Course information and registration form***

A 3 day statistics course will be held for University of Wollongong students and staff.

Target audience: Postgraduate students and staff, required to use statistical methods, with no previous statistical background. The material covered is similar to that covered in an introductory statistics subject. The course involves extensive use of the software package SPSS.

Time: 29<sup>th</sup> November to 1<sup>st</sup> December 2011, 9:30 to 4.30, (lunch break 12:30 - 1:30 - lunch is not provided)

Cost for the 3 days:     \$300 for staff, \$250 for students

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The course will show students how to carry out the most commonly used graphical and statistical approaches. These are needed as the first step in the analysis process to understand the most important variables in a study. Multiple variable modelling, the way to examine many variables in one model, will be addressed in overview.

The course will teach students how to

- convert broad research questions into specific questions,
- choose appropriate visual displays to examine & present the data,
- use these displays to answer their research questions visually,
- choose the right statistical tests to demonstrate the effects seen visually are significant (or not),
- interpret the statistical results,
- write up the statistical aspects of their results,
- use statistical software (SPSS) to create the displays and perform statistical tests,

In addition there will be

- an overview of multiple variable statistical modelling
- the importance of checking for interactions between variables and how to interpret interactions.

The statistical methods that will be taught are

- contingency tables and chi squared statistic
- t tests and one way Analysis of Variance,
- correlation, simple and multiple linear regression and logistic regression,
- the general linear model and logistic regression with continuous and categorical variables (both of these will be taught only as an introduction to the topic).

### **Instructors**

Nic Croce from the University of Newcastle (Statistical Support Service) and Marijka Batterham from the University of Wollongong (Statistical Consulting Service). This course is supported through the Applied Statistics Education and Research Collaboration (ASEARC).

If you have any questions about the course please email: [marijka@uow.edu.au](mailto:marijka@uow.edu.au)

# Registration Form

## Statistics Course: How to Analyse My Data – 29<sup>th</sup> Nov to 1<sup>st</sup> Dec 2011

Forward to: Kerrie Gamble, room 15.110 SMAS email: [kgamble@uow.edu.au](mailto:kgamble@uow.edu.au) by 11<sup>th</sup> November (limited places available)

Participant Information (ALL sections MUST be completed):

Title:		
Given Names:		
Last Name:		
Telephone:		
Email address:		
Student Number (or Uni ID for staff)		
Course if student: eg Masters, Doctorate, PhD		
Faculty		
School		

### Course Cost \$300 staff/ \$250 students

I authorise the payment of **\$300 / \$250** (please circle) from account number

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to the Statistical Consulting Service's account 228 42 1001 6610.

Authorising Signature: \_\_\_\_\_

Name of signatory (printed): \_\_\_\_\_

Unit: \_\_\_\_\_

OR

I enclose cash or a cheque for **\$330** (\$300 + \$30 GST)/ **\$275** (\$250 +\$25 GST), made payable to "University of Wollongong"