

The Postgraduate Students Unit, WCS presents the...

2009 STATISTICS WORKSHOP

<u>Day</u>	<u>Date</u>	<u>Time</u>	<u>Venue</u>
Wednesday	18 March 2009	9.00 – 10.30am	Lecture Theatre 2
Wednesday	25 March 2009	9.00 – 10.30am	Auditorium
Wednesday	1 April 2009	9.00 – 10.30am	Auditorium
Wednesday	8 April 2009	9.00 – 10.30am	Lecture Theatre 1
Wednesday	15 April 2009	9.00 – 10.30am	Lecture Theatre 2

Workshop Overview

This series of 5 seminars consists of a basic medical statistics course together with discussions of practical problems and a demonstration of the SPSS software package. It is aimed at those working in the medical or para-medical fields. Mathematical details are kept to a minimum, the emphasis being on concepts and interpretation. (Mathematical notes and examples are available on request for those interested)

Participants are encouraged to submit research data for discussion of relevant statistical principles.

Below is an outline of the topics to be covered in each seminar. About 45 minutes of each seminar will be devoted to 'course' content, and the remainder to 'practical' considerations. Student and Graduate Pack versions of SPSS are available at very reasonable prices from the Coop Bookshop or SPSS Inc.

No.	Course	Practical
1.	Frequency distributions, boxplots, mean, median, standard deviation, standard error of mean	How to look at and present data (SPSS session)
2.	Tests of hypotheses α and β levels, power	Designing an experiment
3.	Normal distribution, z & t tests, confidence intervals, tests of paired alternatives, tests of Normality, nonparametric equivalents	SPSS examples
4.	Contingency tables, χ^2 tests, "exact" tests, McNemar's test Kappa, odds ratios, sensitivity/specificity	SPSS examples
5.	Linear regression analysis and examination of residuals	SPSS examples

To register for the course contact:
Postgraduate Students Unit on (02) 9845 6303
or e-mail wcspg@med.usyd.edu.au

Documentation will be distributed via email upon registration