School of Mathematics and Statistics

STAT2012 - STATISTICAL TESTS - Information - 2015 Semester 2

Lecturer:	Dr Jennifer Chan
	Carslaw 817
Phone:	9351 4873
Email:	jchan@maths.usyd.edu.au
Consultations:	Monday 4:00-6:00pm
STAT2012 web page:	http://www.maths.usyd.edu.au/u/UG/IM/STAT2012/

Lectures:	Monday 11am (273)
	Wednesday 9am (273)
	Wednesday 11am (273)
Tutorials:	Commencing in week 1
	Monday 1-2pm, 361, 2-3pm in E Av
	Tuesday 2-3pm in 830
	Wednesday 2-3pm in 454
	Thursday 2-3pm in 454
Practicals:	Commencing in week 1
	Monday 3-4pm in 729/730
	Tuesday 3-4pm in 705/706
	Wednesday 3-4pm in 705/706
	Thursday 3-4pm in 729/730
Assessment:	One quiz held during lecture on 16th Sept. (5%);
	Two assignments due on 26th Aug. and 14th Oct. (10%);
	Weekly computer report handed after each computer practical (10%);
	*(*No marks are given for non-attendees and/or late submissions*)*
	Computer examination - one hour on week 13 (open book) (10%);
	Final examination - two hours (65%).

From the intermediate unit hand book, the description of the course STAT2012 is

The unit provides an introduction to the standard methods of statistical analysis of data: Tests of hypotheses and confidence intervals, including t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric tests, non-parametric smoothing, tests for count data - goodness of fit, contingency tables. Graphical methods and diagnostics are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

Please bring your textbook to lectures and problem sheets to tutorials and computer practicals.

- All room numbers are for Carslaw building.
- Tutorials and computer practicals start in week 1 (Introduction to R packages).

Textbook

- Richard J. Larsen and Morris L. Marx, An Introduction to Mathematical Statistics and Its Applications (Fifth Edition).

References

- John E Freund, Mathematical Statistics with Applications (Seventh Edition)
- Wackerly, D., Mendenhall III, W and Scheaffer, R. (2002), Mathematical Statistics with applications, 6th Edition, Duxbury Advanced series.
- Moore, D. and McCabe, G., Introduction to the practice of Statistics, third Edition.