Computing with R

Organizers – John Maindonald and Neville Bartlett

27, 28 and 29 June 2008

A two-day workshop on June 28 and 29 2008 will be preceded, for those who choose to take advantage of it, by a one-day introductory hands-on tutorial on Friday June 27.

The **R system** is a free software environment for scientific and statistical computing and graphics that runs on all common computing platforms. It offers an unrivalled range of statistical and other scientific computing abilities.

Friday June 27: R Introductory tutorial
Presenter: John Maindonald

This is intended for participants with limited previous experience with R. The aim is to give background that will help in following the workshop sessions on June 28 and June 29.

Participants should have knowledge and experience of practical data analysis, and be comfortable entering commands via the computer console. Numbers will be strictly limited.

Participants will be given preparatory reading and exercises, as set out on the course web page.

Saturday June 28: R Workshop, Day 1

Morning sessions: (8.30am – 1pm)

Graphics - lattice, ggplot and rgl (John Maindonald)

Generalized Linear Models (Peter Dunn)

Rattle – A GUI for Data Mining Applications (Graham Williams)

Afternoon sessions (2pm – 5.30pm):

Multi-level models (Andrew Robinson)

Applications in medical statistics - meta-analysis, nonparametric testing, and power calculations (Malcolm Hudson)

Sunday June 29: R Workshop, Day 2

Morning sessions: (8.30am – 1pm)

Mixing R and LaTeX/Office (Peter Dunn)

BRugs for Bayesian Analysis (Matt Wand)

Spatial statistics (Adrian Baddeley)

Afternoon sessions (2pm – 5.30pm):

Time series forecasting (Rob Hyndman)

Package Construction (Rob Hyndman)

Purposes and Style
The workshop on June 28 and 29 is intended to give a sense of wide scope and power of the R system's abilities, for a broad audience ranging from researchers at the forefront of statistical research through to practitioners who are primarily interested in quickly and easily analysing data. Workshop sessions will NOT aim to be tutorials, though the sessions may have tutorial components. They will provide pointers that participants can follow up at their leisure.

Computing equipment
Participants in the June 27 introductory tutorial are expected to bring their own laptops.

For the subsequent workshop, power connections will be available for those who wish to bring laptops.

Location (all three days)
Lecture Theatre 2, ICT Building, 111 Barry Street, The University of Melbourne. Map at:
http://www.eng.unimelb.edu.au/courses/pgrad/handbook2007/map.pdf

Refreshments
Morning and afternoon teas and lunches will be provided.

Further Information about both the tutorial and the workshop, including abstracts of the workshop sessions, may be found on the web page:
http://www.maths.anu.edu.au/~johnm/R-ASC2008.html

Places at the tutorial on June 27 are limited and will be processed in order of receipt of registration form and full payment.

Administrative enquiries should be directed to:
Marie-Louise Rankin, SSAI Executive Officer,
Ph: (02) 6249 8266, Fax: (02) 6249 6558
Email: admin@statsoc.org.au

Registrations close on 17 June 2008.

A Workshop on the R System

9.00 am – 5.30 pm, 27, 28 and 29 June 2008
The University of Melbourne

Registration Form and Tax Invoice*

* Once completed this form constitutes your Tax Invoice/Receipt. Please retain a copy for your records as additional tax receipts **will not** be issued.

	Title	First Name	Last Name		
Name:					
Organisation:					
Mailing Address:					
Telephone:		Email:			
Dietary Requirements	☐ None	☐ Vegetarian	☐ Diabetic	☐ Gluten-free	☐ Other
I will bring my own laptop		☐ Yes	☐ No		

All fees include GST.				
	SSAI/NZSA members or participants employed by an AMSI member	Non-members	Full-time student**	Please circle days attending
3 days	$400	$625	$120	Fri Sat Sun
2 days	$300	$450	$80	Fri Sat Sun
1 day	$175	$250	$40	Fri Sat Sun

**Students must provide evidence of current full-time status. Students and early career statisticians may apply for a contribution towards travel costs if applying before 17 May 2008. Please contact SSAI Head Office for details.

Payment in full must be received prior to the workshop.

*Registrations received after **17 June 2008** will attract an additional fee of 20% above the scheduled fee due.*

Cancellations – If received prior to 17 June 2008, SSAI will refund your registration fee, less a $25 administration fee. After this time and up until 7 days prior to the workshop, a 50% cancellation fee applies. After 22 June 2008 no part of the registration fee will be refunded. Registrations are transferable within the same organisation. Please advise any changes to admin@statsoc.org.au

Please debit my: ☐ Mastercard   ☐ Visa   Amount: $_____
(SSAI does not accept credit card payments by Bankcard, American Express or Diners Club)

Card number: ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ Expiry date: ☐☐/☐☐

Cardholder's name: _____ Cardholder's Signature: _____

Cheques should be payable to Statistical Society of Australia Inc

*Please return this form by mail or by fax by **Tuesday, 17 June 2008** to*:
Marie-Louise Rankin, Executive Officer, Statistical Society of Australia, Inc., PO Box 5111, Braddon, ACT 2612.
E-mail: admin@statsoc.org.au; Fax: (02) 6249 6558 Ph: (02) 6249 8266

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