COURSE

INTRODUCTION TO R, MAY 28, 2004

Dr. Diego Kuonen, Statoo Consulting

School for Engineering Vaud (EIVD), Yverdon, Switzerland

R is an advanced language and environment for statistical computing and graphics within which most classical statistics and much of the latest methodology have been implemented.

R has a home page at http://www.R-project.org/. It is free software distributed under a GNU-style copyleft and an official part of the GNU project («GNU S»). Indeed, R can be considered as an implementation of the S language which forms the basis of the S-PLUS systems. There are some important differences, but much code written for S runs unaltered under R.

This one-day course is an introductory guide to using R to perform statistical analyses and will provide participants with a foundation for becoming a successful R user.

Course outline

1. R – a language and environment
2. R essentials
3. R objects
4. Importing and exporting data
5. Simple statistics
6. Built-in densities and distributions
7. Graphics
8. Writing basic R functions
9. R packages
10. Outlook
References

Course design

This course features a hands-on approach to learning, dividing time between lecture and practical exercises.
All participants receive the materials used in the course, including lecture notes, supplementary materials, and exercises.
Participants will be provided with a computer for the exercises, and tutors will be on hand to assist with questions.

The course will take place in English, with all educational materials written in English.

Speaker

Dr. Diego Kuonen is CEO of Statoo Consulting, Lausanne, Switzerland (http://www.statoo.ch/). Statoo Consulting is a consulting firm specialised in statistical consulting and training, and data analysis and data mining services. Currently, he is vice president of the Swiss Statistical Society and president of its Statistics in Business and Industry section.

Course timings
(proposal – may change on participants' request(s))

9:00–10:00	Lecture
	Coffee Break
10:30–12:00	Practicals
	Lunch
13:30–14:30	Lecture
	Coffee Break
15:00–16:30	Practicals

Location

The course will be held at the School for Engineering Vaud (EIVD) in Yverdon, Switzerland (http://www.eivd.ch/).

Registration

Course fee: CHF 350 for members of the Swiss Statistical Society. The course fee includes all meals.
A limited number of course places are reserved for students and assistants for CHF 200.
The number of participants is limited to 25 with a minimum of 16 people.

Registration deadline: April 30, 2004.
For registration after April, 2004, CHF 200 will be added.

Registration and further information:
caterina.savi@bluewin.ch

The Swiss Statistical Society wants to thank the School for Engineering Vaud (EIVD) in Yverdon, Switzerland, for their support.