

## **Analyzing Medical and Health Data using R**

WORKSHOP AT THE ACHUTHA MENON CENTRE

Achutha Menon Centre for Health Science Studies (AMC), a division of Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram, is conducting a 2 day workshop on '**Analyzing Medical and Health Data using R**', from 26-27 September 2013 at the AMC. The workshop instructor will be **Professor V Raman Kutty**. Aspiring participants are encouraged to contact us for details.

### **What is R?**

R is open platform software for statistical computing, data analysis and graphics. It is freely downloadable and can undertake from very simple to the most complex data analysis. It is well suited for independent researchers in fields related to health such as clinical medicine, public health, psychology and social sciences related to health.

### **What are the advantages of R?**

R is very versatile and can conduct complex analysis as good as those done using commercial software such as SPSS and STATA; at the same time it is free of cost and there are no copy right issues related to downloading and using R. It is also possible to use it on all the three common platforms, i.e., Windows, Linux and Mac OS. Since it is mostly command-driven (unlike the menu-driven software commonly in use), starting users may need some initial hand-holding which we provide through the workshop, besides building a more lasting network of people interested in problem solving in data analysis.

### **Who will benefit from this course?**

R is most useful for people who actively engage in data analysis as well as those who want to analyze their own data such as researchers, PhD scholars, postdoctoral scholars, social science scholars and junior faculty. It is also useful for people with a statistical background who would like to write their own programs for data analysis.

### **What does the course offer?**

The course offers hands-on training and demonstration of common uses of R for data cleaning, manipulation, analysis and graphics. It also will teach the participants how to develop their skills further and seek help if necessary. This is primarily

meant for researchers in health and related field who would like to use R for data analysis.

**What the course does not offer:**

This is a first level course and is intended for people with little or no exposure to R. Those who are already introduced to R and looking for more advanced skills may not benefit.

The course is about data analysis, and not meant as an introductory statistics course. Hence it is assumed that participants will have a working knowledge of basic statistics.

**How to register for the course?**

Please mail the filled up registration form to the mail id: [r4analysis@gmail.com](mailto:r4analysis@gmail.com). You can also use this for any further enquiries.

**Requirements:**

The course is spread over two days, and we expect full-time participation. The participants are expected to bring their own laptops, preferably (but not mandatory) with Internet connection. Timings of the workshop will be from 8:30AM-5:00PM on 26-27 September, 2013.

Course fees: The course fee is Rs 2000, payable by DD in the name of 'Director, SCTIMST, Trivandrum'. This covers tuition fee, tea and snacks (twice a day), and course materials. *Lunch will not be provided.*

Out of station participants who want accommodation may write to us early at the mail address above, so that we can help you find suitable accommodation. *This is not guaranteed, however, and you will have to settle your own bills.*

REGISTRATION FORM (to be filled and mailed to [r4analysis@gmail.com](mailto:r4analysis@gmail.com) before 12 noon on 23 September 2013):

Name in capital letters (as it should appear in the certificate):	
Prefix: (Mr/Ms/Dr/Prof)	
Mailing address:	
email id:	
Alternate email id, if any:	
Current status and qualifications:	
Exposure to statistical software (indicate the ones you have ever used)	
DD number and date	
Bank on which drawn	