Financial Data Analysis I

Programming with R : A Pragmatic Introduction
Thursday, August 9, 2012

Time and Date:
Thursday, August 9, 2012:

Morning sessions	9 am – 12:15pm
Afternoon sessions	1 pm – 04:15 pm

Location:
Mumbai (INDIA)

Course Tutors:
FDA Series Core Team
Rmetrics (Asia) Core Team

Course Co-coordinators:
Mahendra Mehta, Rmetrics Asia
Susan Thomas, IGIDR

Registration and Enquiry:
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Description:
The Rmetrics Association (Asia Chapter), in collaboration with IGIDR, is offering a high quality workshop in programming with R.

The course consists of four blocks, composed of 50% lecture, 20% examples and 30% case studies.

This workshop on *Programming with R : A Pragmatic Introduction* is being conducted as a part of the series of workshops on *Financial Data Analysis Using R,* from 9th August to 11th August, 2012, complemented by a two day workshop on *Time Series Analysis using R.*

Course Topics:
Session 1: Importing Data, Basic R Objects - Importing/ Exporting Data, Basic R Objects and Data Structures, Manipulation of Data Structures.

Session 2: Deeper into R – Control structures, creating functions, *apply family of functions, how to write vectorised functions

Session 3: Statistics and Graphics – Introduction to base R graphics and lattice/ggplot2, Descriptive Statistics, Distribution Functions, Random Number Generation, Interactive Graphics Development

Session 4: Time Series in R, Practical Examples – Time Series Classes, Libraries and Graphics, TS data manipulation, Introduction to zoo/xts, How to tie everything together

* Please refer to the *Session Plan* for further details

Course Audience:
This is a hands-on classroom introductory training course for R. It is well-suited to finance and risk managers as well as students, academicians who desire comprehensive introduction to the R Statistical Programming environment.
* Participants are required to bring Laptops with them.

Pricing Information:

	For Students & Academia (INR)	For Industry Professionals (INR)
Programming with R Workshop	6,000*	12,000*

*Fees are inclusive of Taxes, Course Material, Lunch & Light Refreshment.

- The course also offers Rmetrics e-books at discount. For more details and availability of books, visit https://www.rmetrics.org/ebooks
- Limited accommodation is available to outstation participants.
- For more information, Please visit http://www.neuraltechsoft.com/