Formation R - Charts in Geneva, Zurich, Huston, San-Antonio, Dallas, Los Angeles, San Diego, New York, Washington, Chicago, San Francisco and anywhere in Switzerland, USA, Great Britain and Germany.

**ID :** 1018

**Goal :** This course introduces the R software statistical by focusing only on the data management aspect of the software (input/output, clean/format variables), core mathematical analytics functions of undergraduate level and the various software parameters and system data management and the installation of packages. This course is the basis for next statistical course techniques on R. No maths will be done or explained during this course (you can request the corresponding theoretical course).

**Audience :** B.Tech, M.Tech, PhD Researchers, Financial analysts, Business analysts, Project managers + Other Professional Researchers

**Prerequisites :** Undegraduate level in mathematics or equivalent (familiar with complex numbers, derivatives, integration and advanced matrix algebra) and trainees are supposed to already know all mathematics and assumptions behind each topic. No prior programming experience or knowledge of R is assumed. Since the course includes demonstration and hands-on use of a software, participants should master file management in MS Windows/Linux/Mac based personal computer.

**Goals :**

- Introduction
- What is R
- Pros and cons
- Free or non-free alternatives
- Installation of R or Microsoft R Open on MS Windows or Scientific Linux
- Check R version
- Discover R GUI
- Use command history
- Example of a R Overlay (R Studio or others)
- How to cite the Software in scientific papers
- How to cite packages in scientific papers
- How to clear the shell
- Use online Help
- Change GUI language
- Exit R with shell
- Discover R files
- Change temporarily or definitively the working path (*.Rprofile)
- Save/Load a R workspace (*.Rdata)
- Save/Load a R diary file (*.Rhistory)
- Save inputs and outputs in a text file (*.text)
- ...

**Pedagogical method :** The training is based on small practical exercises based on the training book.

**Suggested duration for presentiel training (days) :** 5
**Suggested duration for on-line training (days) :** 6

**Daily price in face-to-face : 325 CHF**
**Daily price in remote : 156 CHF**
**Daily price in remote for students : [contact](#) us (only if student card!)**
**Daily price in remote (with recording) : 1625 CHF**
Prices are per day per trainee without course material, without certificate, without evaluation, without exam, without training room or computer (these are each optional and must be requested in addition in the contact form for the establishment of the quote).

**Book**

- **Title :** *R - La Bible en images et en couleurs*
- **Author(s) :** *Vincent Isoz*
- **Pages :** *2400*

- **ISBN :**

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