Formation R - Quality Control 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 : 1024

Goal : This course provides an introduction to R core fundamental data mining tools!
No maths will be done or explained during this course (you can request the corresponding theoretical course).

Audience : Marketing specialists, Commercials, Financial Analysts, Web designers

Prerequisites : Graduate level in mathematics or equivalent (familiar with complex numbers,

derivatives, integration and advanced matrix algebra). Trainees are supposed to already know all mathematics and assumptions behind each topic and therefore master advanced parametric/nonparametric and bayesian/robust statistics. 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
- Data Mining vs Big Data
- Data Mining vs Machine Learning vs Deep Learning
- Supervised vs Unspervised and Meta-Spv Learning
- Decisioneering
- DE: Procedural Hierarchical Analysis
- DE: Stable association problem (Lloy Shaply algorithm)
- DE: Discrete Time Markov Chain (DTMC)
- Training Set and Test Set
- Instance selection
- IS: Balanced sampling
- IS: Stratified sampling (unequal probabilities)
- DM: OneR (one rule clustering technic)
- DM: Affinity analysis
- DM: Naïve Bayesian classification
- DM: ID-3 clustering
- DM: Hierarchical clustering & Dendrogram
- DM: Dendrogram bagging (bootstrop aggregating)
- DM: Clustering regression trees (CRT)
- DM: Random Forests (CRT bootstrap)
- ...

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 : 625 CHF
Daily price in remote : 300 CHF
Daily price in remote for students : [contact](#) us (only if student card!)
Daily price in remote (with recording) : 3125 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 :** *2700*
- **ISBN :**

Tags : R data mining course, R big data course, R data mining training, R big data training, data mining, text mining, machine learning, clustering, classification, supervised learning, unspervised learning, decision trees, neural networks, classification, recomandation, recurrent neural network, feed forward neural network, LSTM neural network, GRU neural network, GAN neural network, Generative Adversial Network, convolutional networks, ensemble learning, artifical intelligence.

Please enable JavaScript to view the [comments powered by Disqus.](#)