

R language training courses

We have more than 10 years experience in developing data analytic solutions with R. We offer the best learning experience and introduce more people into the R world. We can provide beginner, intermediate and advanced level customized content based on participants' feedback and domain focus.

The following are some of our courses:

Component	Main Content
Intro to Data Analysis	Basic programming, data handling, plotting and analytics
Visualization with R	Basic visualization packages, such as <i>lattice</i> and <i>ggplot2</i> , as well as advanced packages such as <i>iPlots</i> , <i>googleVis</i> and <i>RGGobi</i> , and <i>rCharts</i>
R Software and Applied Statistics	Introduction to the R language, programming basics, plotting, basic statistics, regression, classification, association rules, logistic regression, generalized linear models, multi-layer models, PLS and SEM path models, time series, and state space models.
Data Mining	Focusing on real applications of R in the Data Mining field, we teach the <i>caret</i> package and how to write classification, regression, and clustering algorithms.
Advanced Programing	The course emphasizes good practices in object-oriented programming in R, including designing and developing clear, concise and efficient code, understanding S3 and S4 objects, functional programming, as well as making R packages.
Automated Reporting	We teach how to use the Knitr package to create reproducible and automated reports.
R and Optimization	We provide an Introduction to mathematical programming and optimization through several classical theories and models. Specific packages introduced include <i>lpSolve</i> , <i>TSP</i> , <i>Rsolnp</i> , and <i>Rglpk</i> , all of which can be used to help companies better optimize management.
R and Web Services	We cover deployment of R applications on the server via <i>Rserver</i> and <i>opencpu</i> , allowing client connections through a web service's API.
Quantitative Finance	We Introduce quantitative investment theory and modeling through the use of high-efficiency R programming.
Big Data with R and RHadoop	Configuration-related knowledge of RHadoop under Ubuntu with the completion of the data analysis process using RHadoop.
Text Mining with R	Describes the principles of HMMs and their application through the use of <i>Rwordseg</i> , <i>tm</i> , and <i>rmmseg4j</i> packages.
R and Database Management	Use R inside MySQL to connect the R language with its data mining and analytics capabilities to your database.
R and High Performance Computing	Improve computational efficiency in R by utilizing parallel computing and compilation procedures.