

# Tools for Data Scientists



This 2-day hands-on course is designed to provide data scientists and analysts with a comprehensive overview and the knowledge of a complete set of tools necessary for today's modern work with data and Big Data. Each section includes an abundance of real-life examples and practical exercises.

## Target Audience

Anyone who works with data for analysis purposes, predictive and descriptive. There are no specific technical knowledge prerequisites. This training is the ideal preparation for the "Big Data Analytics" course.

## Content

Work with data in relational databases: select, link, update, retrieve with ease the data you need.

**R:** the most popular, standard, integrated, and non-proprietary software for data manipulation, statistical analysis, predictive modeling, calculation and graphical display. Elements and techniques for linear and nonlinear modeling, classical statistical tests, time-series analysis, classification, clustering with R.

**Python** for data science: an easy-to-understand, general-purpose programming language for integrating your data work into a production environment, such as web apps or a corporate database.

**Visual data exploration:** learn how intuitive, fast, modern in-memory visualisation helps data scientists, analysts and business people alike to get the most out of their data.

## Practical Details

2 full-day sessions or 4 half-day sessions

Available in English or German

The course is held at Quantum's facilities in Zürich

Each participant will use his/her own laptop (please indicate if this is not possible)

## Price

CHF 1990.– per person excl. VAT, for a minimum of 2 and maximum of 5 participants (More people? Please enquire at [training@qbis.ch](mailto:training@qbis.ch))

## Date

On request

## Register at

[training@qbis.ch](mailto:training@qbis.ch)

## About Quantum

Quantum is a data science and analytics company, located in the center of Zurich. We help clients to identify their most valuable customers, products, or services; determine potential risks; discover hidden potential in their markets; pinpoint and eliminate bottlenecks and inefficiencies; and provide other insights to steer their business. We do this by combining business experience and knowledge with the application, implementation and teaching of scientific methods of data analysis, data management, reporting and modern visualisation to turn data into information.

To know more about how modern data science can help you and your business, visit our website at [www.quantumanalytics.ch](http://www.quantumanalytics.ch) or contact us at [info@qbis.ch](mailto:info@qbis.ch).