R Coding & BI for Business

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Purposes

The course aims at providing technical skills about coding/scripting aspects for data analysis and to manage persistent data storage of sources and results involved in analysis. On the one side, the R framework is illustrated. The goal is to deal first with essential notions about data structures and control structures of R, then to learn how to code with modern and state-of-the-art R packages.

The **R Coding** part of the course aims at teaching **R Programming**.
The state-of-the-art and modern R packages are presented from a very practical point of view, throughout R tutorials on each main topic. The **BI** part of the course aims at teaching how to create modern data analysis dashboard using **Shiny** and **flexdashboard**.

Contents

- Tidyverse Basics

- Tidyverse Wrangling

- Tidyverse Visualization

- Tidyverse Functional Programming

- Tidymodels

- Shiny Basics

- Flexdashboard UI

- Shiny Reactivity

- Advanced Shiny Components

Specific business needs and adjustments may be discussed.

Duration

The course has a duration of 20 hours.

Beneficiaries

This course is intended for data scientist, data analyst, statisticians, IT specialists, developers, project managers and business leaders who want to develop the most in-demand R & BI programming skills.