

Share your R development: the example of SmaRP: Smart Retirement Planning

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Abstract

Smart Retirement Planning (**SmaRP**) is an initiative of Mirai Solutions designed to guide people working in Switzerland towards a strategic decision-making process for their retirement: it provides a parametrisable yet intuitive user interface, which reflects the complexity of the Swiss pension system on which it is based.

From a technical perspective, SmaRP is a web application implemented in R Shiny and organized as an R package. In this presentation, using SmaRP as an example, we will identify the most interesting aspects of web apps development in R Shiny. In particular, we will highlight how to structure a web app in R, how to extend the R Shiny framework for a nicer graphic interface, and how to generate a report through the app.

Biography

Francesca is a Solutions Consultant for Mirai Solutions, a small data science and data analytics consulting company based in Zürich and specialized in the financial sector. In addition to her role as a consultant, Francesca teaches R and is involved outreach activities. In her free time, Francesca participates and organizes events that support women in data science.