Designing and Building Dashboard in R

§ Name of instructor
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§ *Short description*
Dashboard are effective tool to present data and disseminate results of a data science process. The lecture is focused on the rmarkdown and flexdashoard packages, that can be used to implement a dashboard using the R software.

§ *Schedule*
- Principles of dashboard creation
- Customize the dashboard: layout, components, data visualizations and tables
- Use of external source file to separate dashboard design and dashboard content
- Parameterized markdown to customize and automate dashboards

§ *Introductory background:*
• RMarkdown: https://rmarkdown.rstudio.com/index.html
• fleshdashboard: https://pkgs.rstudio.com/flexdashboard/
• Quarto: https://quarto.org/

§ *Facilities Required*
- Software: R and RStudio, open source
- R packages: flexdashboard

- Course Material. All course materials, including the data and R scripts for the examples, will be made available for course participants.