

# **rapport: a report templating system in R**

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**rapport** is an R package aimed at creating reproducible and reusable statistical report templates. The goal of this talk is to discuss **rapport**'s unique approach to report reproducibility through a blend of literate programming and template-based reporting, that allows the user to replicate his analysis against any suitable dataset, by means of a simple R command.

We will discuss the usage of *YAML*-flavoured inputs of the template's header that one can match against the dataset variables or custom R objects in order to produce a report, then we will focus on how **rapport** uses **brew**-style tags in order to evaluate R chunks and how is the output of the evaluated expressions automatically converted to *markdown* with the **pander** package – to be transformed to various document formats with *pandoc*.

The **pander** backend will also be highlighted, which provides a robust cache engine, applies a uniform look to all the **graphics**, **lattice** or **ggplot2** plots and permits the manipulation of template parts via R control structures.

The talk will end with an overview on the (dis)similarities with packages like **brew**, **Sweave** and **knitr**.

## **References**

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