

10.7: R and reporting

Literal programming, the idea of famous Donald Knuth, is the way to interleave the code and explanatory comments. Resulted document is the *living report*: when you change your code or your data, it will be immediately reflected in the report. There many ways to create living reports in R using various office document formats but the most natural way is to use LaTeX. Let us create the text file and call it, for example, [test_sweave.rnw](#):

On the next step, this file should be “fed” to the R:

After that, you will have the new LaTeX file, [test_sweave.tex](#). Finally, with a help of pdfLaTeX you can obtain the PDF which is shown on the Figure C.8.1.

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