

# The OdfWeave Package

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## 1 Introduction

The Sweave function (Leisch, 2002) is a powerful component of R. It can be used to combine R code with  $\text{\LaTeX}$  so that the output of the code is embedded in the processed document. The capabilities of Sweave were later extended to HTML format in the R2HTML package.

A written record of an analysis can be created using Sweave, but additional annotation of the results may be needed such as `cdntextspeci c` interpretation of the results.



Name

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content.xml

layout-cache

META-INF/

META-INF/manifest.xml

meta.xml

mimetype

|

mimetype



the `split` argument, doesn't make sense when using ODF. As another example, ODF supports a broad range of image formats, so `pdf` or `eps` arguments to code chunks are somewhat limiting.

images (i.e. images not created in a chunk with `fig = TRUE`).

Figure 1

OdfWeave



Figure 2: The processed ODF document.



\$parentStyleName

[1] ""

\$header

[1] "LowerBorder"

\$cellText

[1] "Arial Centered"

\$headerText

[1] "Arial CenteredBold"

\$bullet

[1] "Rbullet"

\$figureFrame

[1] "basicFigFrame"

\$page

[1] "Rl andTd[([)82e4(e")P(a)1(si ge(")]TJ02011. 9552Tf28. 446-34. 59Td[(0)F)82rdtme"p(l)1(ane(i

The function `listString` takes a vector and returns a textual list. For example, `letters[1:4]` would become "a, b, c and d". Also, `matrixPaste`