Package 'RweaveExtra'

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Type Package

Title Sweave Drivers with Extra Tricks Up their Sleeve

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Description Weave and tangle drivers for Sweave extending the
standard drivers with additional code chunk options. Currently,
these are only options to completely ignore, or skip, code chunks on
weaving, tangling, or both. Chunks ignored on weaving are not parsed
and are written out verbatim on tangling. Chunks ignored on tangling
are processed as usual on weaving, but completely left out of the
tangled scripts.

Depends R (>= 4.1-0)

Imports utils

License GPL (>= 2)

URL https://gitlab.com/vigou3/RweaveExtra

BugReports https://gitlab.com/vigou3/RweaveExtra/-/issues

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RweaveExtra-package   *Sweave Drivers with Extra Tricks Up their Sleeve*

Description

Weave and tangle drivers for Sweave extending the standard drivers with additional code chunk options. Currently, these are only options to completely ignore, or skip, code chunks on weaving, tangling, or both. Chunks ignored on weaving are not parsed and are written out verbatim on tangling. Chunks ignored on tangling are processed as usual on weaving, but completely left out of the tangled scripts.

Details

The RweaveExtraLatex and RtangleExtra drivers extend the standard Sweave drivers RweaveLatex and Rtangle, respectively. They are selected through the driver argument of Sweave.

Currently, the drivers provide additional options to completely ignore code chunks on weaving, tangling, or both. Chunks ignored on weaving are not parsed and are written out verbatim on tangling. Chunks ignored on tangling are processed as usual on weaving, but completely left out of the tangled scripts.

In a literate programming workflow, the additional options allow to include code chunks in a file such as:

- code that is not parsable by R (say, because of errors inserted for educational purposes);
- code in another programming language entirely (say, a shell script to start an analysis);
- code for a Shiny app.

With the standard drivers, using option eval = FALSE results in code being commented out in tangled scripts files. Furthermore, there is no provision to process a chunk on weaving but leave it out on tangling.

Author(s)

NA

Maintainer: NA

RtangleExtra   *R Driver for Stangle with Additional Options*

Description

A driver for Sweave extending the standard driver Rtangle with additional code chunk options.

Usage

```
RtangleExtra()

RtangleExtraSetup(file, syntax, output = NULL, annotate = TRUE,
                  split = FALSE, quiet = FALSE, drop.evalFALSE = FALSE,
                  ignore.on.tangle = FALSE, ignore = FALSE, ...)
```

Arguments

`file`	Name of Sweave source file. See the description of the corresponding argument of [Sweave]().
`syntax`	An object of class SweaveSyntax. See [Rtangle]().
`output`	Name of output file used unless `split` = TRUE. See [Rtangle]().
`annotate`	A logical or [function](). See [Rtangle]().
`split`	Split output into a file for each code chunk?
`quiet`	Logical to suppress all progress messages.
`drop.evalFALSE`	See [Rtangle]().
`ignore.on.tangle`	
	If TRUE, the code chunk is ignored entirely.
`ignore`	An alternative way to set both ignore.on.weave of [RweaveExtraLatex]() and ignore.on.tangle.
`...`	See [RweaveLatex]().

Details

Chunks ignored on tangling are not written out to script files, but they are processed normally on weaving (unless ignore=TRUE).

If `ignore.on.tangle` or `ignore` is FALSE, the code chunk is processed using the standard driver [Rtangle]() with its options.

Value

Named `list` of five functions; see [Sweave]() or the 'Sweave User Manual' vignette in the **utils** package.

Author(s)

Vincent Goulet, based on work by Friedrich Leisch and R-core.

See Also

[RweaveExtraLatex](), [Rtangle](), [Sweave]().

Examples

```
testfile <- system.file("examples", "example-extra.Rnw", package = "RweaveExtra")


## Check the contents of the file
if(interactive()) file.show(testfile)

## Tangle the file in the current working directory
Stangle(testfile, driver = RtangleExtra())

## View tangled file
if(interactive()) file.show("example-extra.R")

## Use 'ignore.on.weave=TRUE' with the 'split=TRUE' option of Stangle
## to extract the shell script in a separate file
Stangle(testfile, split = TRUE, annotate = FALSE)
file.rename("example-extra-hello.R",
            "example-extra-hello.sh")  # change extension
if(interactive()) file.show("example-extra-hello.sh")
```

RweaveExtraLatex   *R/LaTeX Driver for Sweave with Additional Options*

Description

A driver for [Sweave](#) extending the standard driver [RweaveLatex](#) with additional code chunk options.

Usage

```
RweaveExtraLatex()

RweaveExtraLatexSetup(file, syntax, output = NULL, quiet = FALSE,
                      debug = FALSE, stylepath, ignore.on.weave = FALSE,
                      ignore = FALSE, ...)
```

Arguments

file	Name of Sweave source file. See the description of the corresponding argument of [Sweave](#).
syntax	An object of class SweaveSyntax. See [RweaveLatex](#).
output	Name of output file. See [RweaveLatex](#).
quiet	If TRUE all progress messages are suppressed. See [RweaveLatex](#).
debug	If TRUE, input and output of all code chunks is copied to the console. See [RweaveLatex](#).
stylepath	See [RweaveLatex](#).

ignore.on.weave

If TRUE, the code chunk is ignored entirely, i.e., neither parsed nor evaluated.

ignore   An alternative way to set both ignore.on.weave and ignore.on.tangle of
                RtangleExtra.

...   See RweaveLatex.

Details

Chunks ignored on weaving are not parsed and are not evaluated, but they are written out on tangling as normal code chunks (unless ignore=TRUE).

If ignore.on.weave or ignore is FALSE, the code chunk is processed using the standard driver RweaveLatex with its options.

Value

Named list of five functions; see Sweave or the 'Sweave User Manual' vignette in the **utils** package.

Author(s)

Vincent Goulet, based on work by Friedrich Leisch and R-core.

See Also

RtangleExtra, RweaveLatex, Sweave.

Examples

```
testfile <- system.file("examples", "example-extra.Rnw", package = "RweaveExtra")


## Check the contents of the file
if(interactive()) file.show(testfile)

## Weave, then tangle the file in the current working directory
Sweave(testfile, driver = RweaveExtraLatex())
Stangle(testfile, driver = RtangleExtra())

## View weaved and tangled files
if(interactive()) file.show("example-extra.tex")
if(interactive()) file.show("example-extra.R")
```

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