Package 'ucbthesis'

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Title UC Berkeley graduate division thesis template

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Description This package contains latex, knitr and R Markdown templates that adhere to the UC Berkeley Graduate Division's thesis guidelines. The templates are located in the inst/ directory.

Depends R (>= 3.1.0)

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Imports knitr, stringr

License GPL-2

VignetteBuilder knitr

LazyData true

NeedsCompilation no

Repository CRAN

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R topics documented:

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rmd2pdf   *Render an R Markdown file into a PDF*

Description

Use knitr and pandoc to convert an R Markdown file into a TeX file, and run xelatex (and biber) on the converted file to produce a PDF.

Usage

```
rmd2pdf(file = "thesis.Rmd", template = "thesis_template.latex",
  biber = TRUE, saveTmpFiles = FALSE)
```

Arguments

file	the location and name of the R Markdown file to be rendered.
template	the location and name of the pandoc latex template to use during the conversion from R Markdown to TeX.
biber	logical flag indicating if biber (or biblatex) backend should be run after xelatex is called.
saveTmpFiles	logical flag indicating if intermediary files should be kept after PDF file is created. If FALSE the files are deleted.

Details

There's no markdown (yet) that allows for LaTeX preamble to be specified inside a .md file. To get around this, we have to redefine a Pandoc latex template using the preamble we'd normally use if we were using the LaTeX or knitr templates. The template, inst/rmarkdown/thesis_template.latex, is a modification of the default template found via pandoc -D latex. If you need to add more packages to your preamble, e.g. \usepackage{amsmath}, modify thesis_template.latex accordingly.

Temporary files (e.g. .md's, .log's, .aux's, etc.) are stored in a temporary (sub)directory, tmp/.

Value

The name of the xelatex rendered PDF.

Examples

```
## Not run:
setwd("inst/rmarkdown")
rmd2pdf()

## End(Not run)
```

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rnw2pdf *Render an Rnw file into a PDF*

Description

Use knitr to convert an Rnw file into xelatex (and biber) rendered PDF.

Usage

```
rnw2pdf(file = "thesis.Rnw", biber = TRUE, saveTmpFiles = FALSE)
```

Arguments

`file`	the location and name of the Rnw file to be rendered.
`biber`	logical flag indicating if biber (or biblatex) backend should be run after xelatex is called.
`saveTmpFiles`	logical flag indicating if intermediary files should be kept after PDF file is created. If `FALSE` the files are deleted.

Details

This is just a sequence of system calls that runs knitr to turn the .Rnw into a .tex, and then calls xelatex (and biber) a few more times to make sure citations and cross-references are correct.

Temporary files (e.g. .tex's, .log's, .aux's, etc.) are stored in a temporary (sub)directory, tmp/.

Value

The name of the xelatex rendered PDF.

Examples

```
## Not run:
setwd("inst/knitr")
rnw2pdf()

## End(Not run)
```

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ucbthesis *UC Berkeley Graduate Division Thesis Templates*

Description

This package contains latex, knitr and R Markdown templates that adhere to the UC Berkeley Graduate Division's thesis guidelines. The templates are located in the inst/ directory.

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