

# Package ‘ucbthesis’

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**Title** UC Berkeley graduate division thesis template

**Version** 1.0

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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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`rmd2pdf`*Render an R Markdown file into a PDF*

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## 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

<code>file</code>	the location and name of the R Markdown file to be rendered.
<code>template</code>	the location and name of the pandoc latex template to use during the conversion from R Markdown to TeX.
<code>biber</code>	logical flag indicating if biber (or biblatex) backend should be run after xelatex is called.
<code>saveTmpFiles</code>	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*

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**Description**

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

**Usage**

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

**Arguments**

<code>file</code>	the location and name of the Rnw file to be rendered.
<code>biber</code>	logical flag indicating if biber (or biblatex) backend should be run after xelatex is called.
<code>saveTmpFiles</code>	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*

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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.

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