Package 'thaipdf'

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Title R Markdown to PDF in Thai Language

Version 0.1.2

Description Provide R Markdown templates and LaTeX preamble
which are necessary for creating PDF from R Markdown documents in Thai language.

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Depends R (>= 3.4)

Encoding UTF-8

RoxygenNote 7.1.2

Imports fs, cli, rmarkdown

Suggests testthat (>= 3.0.0), bookdown, covr, knitr

URL https://lightbridge-ks.github.io/thaipdf/

BugReports https://github.com/Lightbridge-KS/thaipdf/issues

Config/testthat/edition 3

VignetteBuilder knitr

Language th, en-US

NeedsCompilation no

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Repository CRAN

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R topics documented:

thaipdf_book	*Convert R Markdown to a PDF book with Thai Language Compatibility*

Description

Thai language supported conversion of R Markdown to a PDF after resolving the special tokens of **bookdown** (e.g., the tokens for references and labels) to native LaTeX commands. It is a wrapper around `bookdown::pdf_book()` with argument base_format set to `thaipdf_document()`.

Usage

```
thaipdf_book(...)
```

Arguments

`...`	Arguments to pass to `bookdown::pdf_book()`, and then to `thaipdf_document()`. You may supply argument `thai_font` and `line_spacing` in here.

Value

An S3 object of class "rmarkdown_output_format" to pass to `rmarkdown::render()`

See Also

- How to use `bookdown::pdf_book()`, please see official documentation
- How to use `thaipdf_document()`.

Examples

```
## Not run:
 library(rmarkdown)

 # Simple Conversion
 render("input.Rmd", output_format = thaipdf::thaipdf_book())

 # Render with Thai font "Laksaman" and font size 10pt
 render("input.Rmd",
        output_format = thaipdf::thaipdf_book(
          thai_font = "Laksaman", # you must have this font in your system
          pandoc_args = pandoc_metadata_arg("fontsize", "10pt")
        ))

## End(Not run)
```

| thaipdf_document | *Convert to a PDF/LaTeX document with Thai Language Compatibility* |

Description

Thai language supported conversion of R Markdown to a PDF or LaTeX document. It is a wrapper around rmarkdown::pdf_document().

Usage

```
thaipdf_document(thai_font = "TH Sarabun New", line_spacing = 1.5, ...)
```

Arguments

thai_font	(Character) Name of the Thai font to use. Default font is "TH Sarabun New". It can be any Thai font that installed in your system.
line_spacing	(Numeric) Spacing between each line. Line spacing 1.5 is recommended for Thai language (default).
...	Arguments to pass to pdf_document(). You may supply any valid arguments of pdf_document() except for includes and latex_engine.

Details

To achieve Thai language compatibility for LaTeX, This function injects preamble fragment of Thai LaTeX typesetting into the preamble of output LaTeX via includes argument, and set latex_engine to "xelatex".

Value

An S3 object of class "rmarkdown_output_format" to pass to rmarkdown::render()

See Also

- How to use rmarkdown::pdf_document, please see official documentation.
- How to use thaipdf_book().

Examples

```
## Not run:
library(rmarkdown)

 # Simple Conversion
 render("input.Rmd", output_format = thaipdf::thaipdf_document())

 # Render with Thai font "Laksaman", font size 10pt, enable table of contents
 render("input.Rmd",
        output_format = thaipdf::thaipdf_document(
          thai_font = "Laksaman", # you must have this font in your system
```

```
        toc = TRUE,
        pandoc_args = pandoc_metadata_arg("fontsize", "10pt")
    ))

## End(Not run)
```

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use_thai_preamble   *Create a LaTeX Preamble for Thai Language in R Markdown*

Description

This function creates LaTeX preamble file needed to render Thai language in R Markdown to a PDF document.

Usage

```
use_thai_preamble(
  name = "thai-preamble.tex",
  thai_font = "TH Sarabun New",
  line_spacing = 1.5,
  open = FALSE,
  overwrite = FALSE
)
```

Arguments

name	(Character) Thai LaTeX preamble file name or path of file to create, which can be relative path or absolute path. Default value is `thai-preamble.tex`.
thai_font	(Character) Name of the Thai font to use. Default font is "TH Sarabun New". It can be any Thai font that installed in your system.
line_spacing	(Numeric) Spacing between each line. Line spacing 1.5 is recommended for Thai language (default).
open	(Logical) Open the newly created file for editing? Using default editor of `.tex` to open.
overwrite	(Logical) If file already exist, do you want to overwrite?

Details

Here is the steps:

1. Call `use_thai_preamble()`. You can set other file name by `name` argument and Thai font to use by `thai_font` argument.

2. Follow the instructions printed to R console.

   - File `thai-preamble.tex` should be created in the current working directory (by default).
   - (If not already) Create R Markdown file with `pdf_document:` or `bookdown::pdf_document2` format.

- Modify YAML header in `pdf_document:` or `bookdown::pdf_document2` option. Set `latex_engine` to `xelatex` and set to include path to the LaTeX preamble file.
- Add LaTeX macro `\sloppy` to the beginning of the body of R Markdown (just after YAML header).

3. Write some Thai language in R Markdown then knit to PDF. It's DONE!

Value

(Invisible) A path to LaTeX preamble being created.

Examples

```
## Not run:
 # Running this will write `thai-preamble.tex` to your working directory
 use_thai_preamble()
 # Write `thai-preamble.tex` under pre-tex/ directory (a directory must exist)
 use_thai_preamble(name = "pre-tex/thai-preamble.tex")
 # Specify Thai font to use
 use_thai_preamble(thai_font = "Laksaman")

## End(Not run)

 # Example
 .old_wd <- setwd(tempdir())
 use_thai_preamble()
 setwd(.old_wd)
```

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