

Package: chaletex (via r-universe)

July 25, 2024

Type Package

Title Extract LaTeX packages from TeX files and Install Them

Version 0.1.0

Description Trying to compile LaTeX files can be frustrating when you need to stop at every attempted compile and install the missing packages. The goal of chaletex is to make it easy to extract packages you need to install from LaTeX. It is named `chaletex` as we want this to be like walking into a Chalet after a big day - a nice, friendly, cozy place for your TeX problems.

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Encoding UTF-8

Depends R (>= 3.1.2)

LazyData true

Imports stringr (>= 1.4.0), purrr (>= 0.3.2), tinytex (>= 0.14.0),
magrittr (>= 1.5.0)

RoxygenNote 6.1.1

Repository <https://njtierney.r-universe.dev>

RemoteUrl <https://github.com/njtierney/chaletex>

RemoteRef HEAD

RemoteSha 11eac969e52a1cbb24f4b65dbb6fce51622df15c

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read_tex *read tex file into R*

Description

read tex file into R

Usage

```
read_tex(path, ...)
```

Arguments

path	file path
...	extra options to pass to readChar

Value

text string

Examples

```
## Not run:  
tex_chars <- read_tex("path/to/file.tex")  
  
## End(Not run)
```

tex_example *Example TeX template from PLoS ONE*

Description

This is an example tex string from the PLoS ONE template: <https://journals.plos.org/plosone/s/latex>

Usage

```
tex_example
```

Format

An object of class character of length 1.

Examples

```
tex_preamble <- tex_extract_preamble(tex_example)
```

tex_extract_pkgs	<i>Extract packages from tex string</i>
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Description

Extract packages from tex string

Usage

```
tex_extract_pkgs(tex_string)
```

Arguments

tex_string text string

Value

text string of package names

Examples

```
tex_preamble <- tex_extract_preamble(tex_example)
tex_extract_pkgs(tex_preamble)
tex_extract_pkgs(tex_example)
```

tex_extract_preamble	<i>Extract preamble from tex string</i>
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Description

Extract preamble from tex string

Usage

```
tex_extract_preamble(tex_string)
```

Arguments

tex_string tex string, could be read in with read_tex

Value

text string containing all text before ‘\begin{document}’

Examples

```
## Not run:
tex_preamble <- tex_extract_preamble(tex_example)

## End(Not run)
```

tex_install_pkgs *Install tex packages*

Description

Install tex packages using ‘tinytex::tlmgr_install()’

Usage

```
tex_install_pkgs(tex_pkg_string, ...)
```

Arguments

```
tex_pkg_string  string
...             extra options to pass to ‘tinytex::tlmgr_install()’ .
```

Value

nothing, this installs packages

Examples

```
## Not run:
# in a pipeline
read_tex(tex_path) %>%
  tex_extract_preamble() %>%
  tex_extract_pkgs() %>%
  tex_install_pkgs()

## End(Not run)
```

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