

# Package: chaletex (via r-universe)

August 24, 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.

**License** MIT + file LICENSE

**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*

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**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)
```

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tex\_example                    *Example TeX template from PLoS ONE*

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**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)
```

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tex\_extract\_pkgs      *Extract packages from tex string*

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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      *Extract preamble from tex string*

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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)
```

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tex_install_pkgs	<i>Install tex packages</i>
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**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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