

# Package ‘rmdfiltr’

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**Type** Package

**Title** 'Lua'-Filters for R Markdown

**Version** 0.1.5

**URL** <https://github.com/crsh/rmdfiltr>

**BugReports** <https://github.com/crsh/rmdfiltr/issues>

**Description** A collection of 'Lua' filters that extend the functionality of R Markdown templates (e.g., count words or post-process citations).

**Imports** assertthat (>= 0.2.1), utils, rmarkdown (>= 1.12)

**SystemRequirements** pandoc (>= 2.0; <https://pandoc.org>)

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**Suggests** dplyr (>= 0.8.0.1), ggplot2 (>= 3.0.0), knitr (>= 1.22), spelling (>= 2.1), testthat (>= 2.0.0), tibble (>= 2.1.1), stringr, bibtex (>= 0.5.1)

**Language** en-US

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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add_lua_filter	<i>Add filter to pandoc arguments</i>
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### Description

Adds a filter call to the vector of pandoc command line arguments.

### Usage

```
add_lua_filter(args = NULL, filter_name, error = TRUE)
```

```
add_wordcount_filter(args = NULL, error = TRUE)
```

```
add_charcount_filter(args = NULL, error = TRUE)
```

```
add_replace_ampersands_filter(args = NULL, error = TRUE)
```

```
add_doi2cite_filter(args = NULL, error = TRUE)
```

```
add_citeproc_filter(args = NULL, error = TRUE)
```

```
add_custom_filter(args = NULL, filter_path, lua = FALSE, error = TRUE)
```

### Arguments

args	Character. (Vector of) pandoc command line arguments.
filter_name	Character. Name(s) of the Lua filter to add. See details.
error	Logical. Whether to throw an error if (required version of) pandoc is not available.
filter_path	Character. Path to filter file.
lua	Logical. Whether the filter(s) was written in Lua (results in <code>--lau-filter-call</code> ) or not (results in <code>--filter-call</code> ). Will be recycled to fit length of <code>filter_path</code> .

### Details

The following Lua filters are available from **rmdfiltr**. Convenience functions named after the filter are available (e.g. `add*_filter()`). For details, please also refer to the vignettes.

`replace_ampersands` Searches for citations added by `pandoc-citeproc` and replaces `&` with `and` in all in-text citations (e.g., as required by APA style). If `lang` is specified in the documents YAML front matter, the corresponding translation is used, if available. Be sure to set `citeproc: no` in the YAML front matter of the document and call `pandoc-citeproc` manually (e.g., using `add_citeproc_filter`). For details see `vignette("replace_ampersands", package = "rmdfiltr")`.

**wordcount** The body of the text and reference sections are counted separately. The word count for the text body does not contain, tables or images (or their captions). The filter reports the word count in the console or the R Markdown tab in 'RStudio'. For details see `vignette("wordcount", package = "rmdfiltr")`.

**charcount** Only the body of the text is counted. The character count for the text body does not contain, tables or images (or their captions), but includes spaces. The filter reports the character count in the console or the R Markdown tab in 'RStudio'.

**doi2cite** Searches for DOI-citation tags in the text, retrieves the bibliographic information from CrossRef, stores it in a BibTeX file, and replaces the DOI-citation tags with the corresponding BibTeX keys. For details see `vignette("doi2cite", package = "rmdfiltr")`.

### Examples

```
add_lua_filter(NULL, "wordcount", error = FALSE)
add_wordcount_filter(NULL, error = FALSE)
add_charcount_filter(NULL, error = FALSE)
add_replace_ampersands_filter(NULL, error = FALSE)
add_doi2cite_filter(NULL, error = FALSE)
add_citeproc_filter(NULL, error = FALSE)
add_custom_filter(NULL, filter_path = "foo/bar", error = FALSE)
```

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post\_process\_doi\_citations

*Replace DOI citations in R Markdown document*

---

### Description

This function reads an R Markdown document and replaces all DOI citations with the corresponding entries from a BibTeX file. Requires the package 'bibtex' to be installed.

### Usage

```
post_process_doi_citations(input_file, bib)

replace_resolved_doi_citations()
```

### Arguments

<code>input_file</code>	Character. Path to the input file provided to the post-processor.
<code>bib</code>	Character. A (vector of) path(s) to the BibTeX file(s).

### Value

Returns 'TRUE' invisibly.

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