Package 'rjtools'

April 16, 2024

Title Preparing, Checking, and Submitting Articles to the 'R Journal'

Version 1.0.13

Description Create an 'R Journal' 'Rmarkdown' template article, that will
generate html and pdf versions of your paper. Check that the paper folder
has all the required components needed for submission.
Examples of 'R Journal' publications can be found at
<https://journal.r-project.org>.

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Encoding UTF-8

RoxygenNote 7.2.3

Imports distill, stringr, purrr, hunspell, fs, cli, glue, whisker,
xfun, callr, rlang, yaml, yesno, utils, tinytex, bookdown,
BiocManager, here, rmarkdown

Suggests knitr, pdftools, rstudioapi, testthat (>= 3.0.0)

VignetteBuilder knitr

URL https://github.com/rjournal/rjtools

BugReports https://github.com/rjournal/rjtools/issues

Config/testthat/edition 3

Depends R (>= 2.10)

LazyData true

NeedsCompilation no

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R **topics documented:**

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create_article *Create an R Journal article with the existing template*

Description

Create an R Journal article with the existing template

Usage

```
create_article(
  name = "test",
  file = xfun::with_ext(name, "Rmd"),
  create_dir = FALSE,
  edit = TRUE
)
```

Arguments

name	the name of the Rmd, will default to "test"
file	File name for the draft
create_dir	TRUE to create a new directory for the document (the "default" setting leaves this behavior up to the creator of the template).
edit	TRUE to edit the template immediately

Details

Outputs an R Journal paper template set of files in the directory specified by dir_path or in the project directory, if nothing is specified. See vignette("create_article", package = "rjtools") for more details on how to create and format an article.

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initial_check_article *A single article check*

Description

A single article check

Usage

```
initial_check_article(
  path,
  dic = "en_US",
  pkg,
  ...,
  ask = interactive(),
  logfile = file.path(path, "initial_checks.log")
)

check_filenames(path)

check_structure(path)

check_folder_structure(path)

check_unnecessary_files(path)

check_cover_letter(path)

check_title(path, ignore = "")

check_section(path)

check_abstract(path)

check_spelling(path, dic = "en_US", ...)

check_proposed_pkg(pkg, ask = interactive())

check_pkg_label(path)

check_packages_available(path, ignore)

check_bib_doi(path)

check_csl(path)

check_date(path, file)
```

```
get_orcid(path, file = NULL)
```

Arguments

`path`	string, path to the directory that contains the .tex file (Ideally, this directory should contain .bib, .Rmd, and .tex with author names and two RJwrapper files: RJwrapper.pdf and RJwrapper.tex)
`dic`	string, the dictionary used for spelling check. See `dict` argument in `hunspell::hunspell()`
`pkg`	string, optional. The name of the proposed package (if relevant), to be checked for activity on CRAN
`...`	additional arguments for spelling check with hunspell::hunspell
`ask`	logical, if `TRUE` then checks may ask the user for interactive input of missing information.
`logfile`	a connection for the output log, or a string with the filename of the output log or NULL if no log should be written
`ignore`	The words to ignore in title check, use c(pkg, pkg, ...) for multiple quoted words
`file`	string, the file name if multiple files are detected under the `path` argument

Details

Folder structure checks:

- `check_filenames()`: the three files (.bib, .Rmd, and .tex) all present and have consistent names
- `check_structure()`: check validity of all filenames and depth of the directory structure
- `check_unnecessary_files()`: the template file (i.e., RJtemplate.tex) is not included in the directory
- `check_cover_letter()`: a motivational letter

Content checks:

- `check_title()`: article title is in title case
- `check_section()`: section sections are in sentence case
- `check_abstract()`: abstract should be plain text without package markups (CRANpkg, BIOpkg, pkg), math notations($...$), citations, and other formattings (highlight, italic, etc)
- `check_spelling()`: potential spelling mistakes
- `check_proposed_pkg()`: package proposed in the paper is on CRAN
- `check_pkg_label()`: packages marked up with are not available on CRAN or BioConductor
- `check_packages_available()`: packages mentioned in the article are available on CRAN
- `check_bib_doi`: whether bib entries have DOI or URL included, unless can't sourced online
- `check_csl`: no additional csl file should be used consistent, either in sentence (preferred) or title case

See `vignette("create_article", package = "rjtools")` for how to use the check functions

Value

list of all results (see [log_error](#) for details). You can use `unlist()` to get a character vector of the result statuses.

Examples

```
your_article_path <- system.file("sample-article", package = "rjtools")
if (interactive()) initial_check_article(your_article_path)
```

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keywords | *Keywords options for R Journal*

Description

Available keywords options for R Journal articles

Usage

```
keywords
```

Format

A vector of length 41

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prep_submission | *Prepare pre-filled fields in the submission form* `prep_submission` *generate some answers based on the .tex file to fill the article submission form. You can save the answers if assigned it to an object.*

Description

Prepare pre-filled fields in the submission form `prep_submission` generate some answers based on the .tex file to fill the article submission form. You can save the answers if assigned it to an object.

Usage

```
prep_submission()
```

Value

a list

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rjournal_article   *R Markdown output formats for R Journal articles*

Description

The R Journal is built upon the distill framework with some modifications. This output format behaves almost identically to the `distill::distill_article()` format, with some formatting and structural changes. The `rjournal_article()` format will produce both HTML and PDF outputs, while the `rjournal_pdf_article()` produces only the PDF output.

Usage

```
rjournal_article(toc = FALSE, self_contained = FALSE, legacy_pdf = FALSE, ...)

rjournal_pdf_article(..., self_contained = FALSE)

rjournal_web_article(toc = FALSE, self_contained = FALSE, ...)
```

Arguments

toc	TRUE to include a table of contents in the output
self_contained	Produce a standalone HTML file with no external dependencies, using data: URIs to incorporate the contents of linked scripts, stylesheets, images, and videos. Note that even for self contained documents MathJax is still loaded externally (this is necessary because of its size).
legacy_pdf	whether an article is from the past and only have pdf version
...	Arguments passed to `distill::distill_article()` for web articles, and `rticles::rjournal_articl` for pdf articles.

Value

the rendered R Journal article

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rjournal_pdf_issue   *R Markdown output formats for R Journal issues*

Description

The R Journal is built upon the distill framework with some modifications. This output format produces the PDF for an R Journal issue.

The R Journal is built upon the distill framework with some modifications. This output format behaves almost identically to the `distill::distill_article()` format, with some formatting and structural changes.

Usage

```
rjournal_pdf_issue(..., render_all = FALSE)

rjournal_web_issue(toc = FALSE, self_contained = FALSE, rnews = FALSE, ...)
```

Arguments

`...`	Arguments passed to `distill::distill_article()`.
`render_all`	Re-render all articles in the issue, even if the page numbers have not changed.
`toc`	TRUE to include a table of contents in the output
`self_contained`	Produce a standalone HTML file with no external dependencies, using data: URIs to incorporate the contents of linked scripts, stylesheets, images, and videos. Note that even for self contained documents MathJax is still loaded externally (this is necessary because of its size).
`rnews`	This issue is from R News.

Value

an generated R Journal issue

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submit_rjournal   *Submit a paper to the R Journal*

Description

This is a final self-check function, similar to that runs through a checklist on your submission that cannot be done automatically.

Usage

```
submit_rjournal()
```

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zip_paper   *Zip your directory for R Journal submission*

Description

`zip_paper` will first check the folder structure with [`check_folder_structure()`](#) before zipping up everything in the main directory, excluding the `.Rproj` file, if exist.

Usage

```
zip_paper()
```

Value

a zip file for an R Journal submission

Index