

# Package ‘rjtools’

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

**Version** 1.0.9

**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>.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.2.1

**Imports** distill, stringr, cranlogs, purrr, hunspell, fs, cli, glue, whisker, xfun, callr, rlang, yaml, yesno, utils, tinytex, bookdown

**Suggests** rmarkdown, 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

**NeedsCompilation** no

**Author** Mitchell O'Hara-Wild [aut],  
Stephanie Kobakian [aut],  
H. Sherry Zhang [aut],  
Di Cook [aut, cre] (<<https://orcid.org/0000-0002-3813-7155>>),  
Christophe Dervieux [aut] (<<https://orcid.org/0000-0003-4474-2498>>)

**Maintainer** Di Cook <[dicook@monash.edu](mailto:dicook@monash.edu)>

**Repository** CRAN

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## R topics documented:

create_article . . . . .	2
initial_check_article . . . . .	3
prepare_submission . . . . .	4
rjournal_pdf_article . . . . .	5
rjournal_pdf_issue . . . . .	6
zip_paper . . . . .	6
<b>Index</b>	<b>8</b>

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create_article	<i>Create an R Journal article with the existing template</i>
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### Description

Create an R Journal article with the existing template

### Usage

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

### Arguments

name	the name of the Rmd
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

See vignette("create\_article", package = "rjtools") for how to create an article

### Value

a created R Journal template in the directory specified by `dir_path`

---

initial\_check\_article *A single article check*

---

## Description

A single article check

## Usage

```
initial_check_article(path = NULL, dic = "en_US", pkg = NULL, ...)
```

```
check_filenames(path)
```

```
check_unnecessary_files(path)
```

```
check_cover_letter(path)
```

```
check_title(path, ignore = "")
```

```
check_section(path)
```

```
check_abstract_before_intro(path)
```

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

```
check_proposed_pkg(pkg = NULL)
```

```
check_packages_available(path, ignore = "")
```

## Arguments

path	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	The dictionary used for spelling check. See dict argument in <a href="#">hunspell::hunspell()</a>
pkg	The name of the proposed package (if relevant), to be checked for activity on CRAN
...	Additional arguments for spelling check with <a href="#">hunspell::hunspell</a>
ignore	The words to ignore in title check, use c(pkg, pkg, ...) for multiple quoted words

## Details

Folder structure checks:

- `check_filenames()`: the three files (.bib, .Rmd, and .tex) all present and have consistent names

- `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_before_intro()`: abstract comes before the introduction section
- `check_spelling()`: potential spelling mistakes
- `check_proposed_pkg()`: package proposed in the paper is on CRAN
- `check_packages_available()`: packages mentioned in the article are available on CRAN

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

### Value

message that checks were satisfactorily completed

### Examples

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

---

prepare\_submission      *Prepare pre-filled fields in the submission form*

---

### Description

Auto-generate answers to some fields in the R Jorunal submission form

### Usage

```
prepare_submission(name)
```

### Arguments

name                      the file name you used to create the article. See argument `file_name` in `create_article()`

### Value

auto-generated answers for some R Journal submission questions

---

rjournal\_pdf\_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.

## Usage

```
rjournal_pdf_article(..., self_contained = FALSE)
```

```
rjournal_web_article(  
  toc = FALSE,  
  self_contained = FALSE,  
  legacy_pdf = FALSE,  
  web_only = !legacy_pdf,  
  ...  
)
```

## Arguments

...	Arguments passed to <code>distill::distill_article()</code> for web articles, and <code>rticles::rjournal_article()</code> for pdf articles.
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).
toc	TRUE to include a table of contents in the output
legacy_pdf	whether an article is from the past and only have pdf version
web_only	additional param for embedding PDF or using Rmd to produce HTML

## 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 <code>distill::distill_article()</code> .
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

---

zip\_paper      *Zip your directory for R Journal submission*

---

### Description

Zip up files in the directory into a paper .zip for R Journal submission.

### Usage

```
zip_paper(name, others = NULL)
```

**Arguments**

name	the file name you used to create the article. See argument <code>file_name</code> in <code>create_article()</code>
others	other files or folders to zip, this might include <code>supplementary data/</code> folder, motivational letter for add-in packages, and <code>review/</code> folder for reviewer's comments and responses.

**Value**

a zip file with items for an R Journal submission

# Index

check\_abstract\_before\_intro  
    (initial\_check\_article), 3  
check\_cover\_letter  
    (initial\_check\_article), 3  
check\_filenames  
    (initial\_check\_article), 3  
check\_packages\_available  
    (initial\_check\_article), 3  
check\_proposed\_pkg  
    (initial\_check\_article), 3  
check\_section(initial\_check\_article), 3  
check\_spelling(initial\_check\_article),  
    3  
check\_title(initial\_check\_article), 3  
check\_unnecessary\_files  
    (initial\_check\_article), 3  
create\_article, 2  
  
hunspell::hunspell, 3  
hunspell::hunspell(), 3  
  
initial\_check\_article, 3  
  
prepare\_submission, 4  
  
rjournal\_pdf\_article, 5  
rjournal\_pdf\_issue, 6  
rjournal\_web\_article  
    (rjournal\_pdf\_article), 5  
rjournal\_web\_issue  
    (rjournal\_pdf\_issue), 6  
  
zip\_paper, 6