

# Package ‘rjtools’

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

**Version** 1.0.10

**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

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

**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

**RoxygenNote** 7.2.3

**NeedsCompilation** no

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**Repository** CRAN

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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`

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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\_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, ask = interactive())

check\_packages\_available(path, ignore)

## 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 <a href="#">hunspell::hunspell()</a>
pkg	string, optional. 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>
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

## 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_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

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)
```

---

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

---

**Description**

Auto-generate answers to some fields in the R Journal 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*

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**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.
<code>self_contained</code>	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).
<code>toc</code>	TRUE to include a table of contents in the output
<code>legacy_pdf</code>	whether an article is from the past and only have pdf version
<code>web_only</code>	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> .
<code>render_all</code>	Re-render all articles in the issue, even if the page numbers have not changed.
<code>toc</code>	TRUE to include a table of contents in the output
<code>self_contained</code>	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).
<code>rnews</code>	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**

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

**Value**

a zip file with items for an R Journal submission

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