

Package ‘rticles’

December 20, 2023

Type Package

Title Article Formats for R Markdown

Version 0.26

Description A suite of custom R Markdown formats and templates for authoring journal articles and conference submissions.

License GPL-3

URL <https://github.com/rstudio/rticles>

BugReports <https://github.com/rstudio/rticles/issues>

Imports knitr (>= 1.30), lifecycle, rmarkdown (>= 2.14), tinytex (>= 0.30), utils, xfun, yaml

Suggests bookdown, withr, covr, testit, testthat (>= 3.2.0), xtable

Config/Needs/website magick, pdftools, gifski, tidyverse/tidytemplate, rstudio/quillt

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.2.3

SystemRequirements GNU make

NeedsCompilation no

Author JJ Allaire [aut],

Yihui Xie [aut] (<<https://orcid.org/0000-0003-0645-5666>>),

Christophe Dervieux [aut, cre]

(<<https://orcid.org/0000-0003-4474-2498>>),

Posit Software, PBC [cph, fnd],

R Foundation [aut, cph],

Hadley Wickham [aut],

Journal of Statistical Software [aut, cph],

Ramnath Vaidyanathan [aut, cph],

Association for Computing Machinery [aut, cph],

Carl Boettiger [aut, cph],

Elsevier [aut, cph],

Karl Broman [aut, cph],

Kirill Mueller [aut, cph],
 Bastiaan Quast [aut, cph],
 Randall Pruim [aut, cph],
 Ben Marwick [aut, cph],
 Charlotte Wickham [aut, cph],
 Oliver Keyes [aut, cph],
 Miao Yu [aut, cph],
 Daniel Emaasit [aut, cph],
 Thierry Onkelinx [aut, cph],
 Alessandro Gasparini [aut, cph]
 (<<https://orcid.org/0000-0002-8319-7624>>),
 Marc-Andre Desautels [aut, cph],
 Dominik Leutnant [aut, cph] (<<https://orcid.org/0000-0003-3293-2315>>),
 MDPI [aut, cph],
 Taylor and Francis [aut, cph],
 Oğuzhan Öğreden [aut] (<<https://orcid.org/0000-0002-9949-3348>>),
 Dalton Hance [aut],
 Daniel Nüst [aut, cph] (<<https://orcid.org/0000-0002-0024-5046>>),
 Petter Uvesten [aut, cph],
 Elio Campitelli [aut, cph] (<<https://orcid.org/0000-0002-7742-9230>>),
 John Muschelli [aut, cph] (<<https://orcid.org/0000-0001-6469-1750>>),
 Alex Hayes [aut] (<<https://orcid.org/0000-0002-4985-5160>>),
 Zhian N. Kamvar [aut, cph] (<<https://orcid.org/0000-0003-1458-7108>>),
 Noam Ross [aut, cph] (<<https://orcid.org/0000-0002-2136-0000>>),
 Robrecht Cannoodt [aut, cph] (<<https://orcid.org/0000-0003-3641-729X>>,
 rcannood),
 Duncan Luguern [aut],
 David M. Kaplan [aut, ctb] (<<https://orcid.org/0000-0001-6087-359X>>,
 dmkaplan2000),
 Sebastian Kreuzer [aut] (<<https://orcid.org/0000-0002-0734-2199>>),
 Shixiang Wang [aut, ctb] (<<https://orcid.org/0000-0001-9855-7357>>),
 Jay Hesselberth [aut, ctb] (<<https://orcid.org/0000-0002-6299-179X>>),
 Alfredo Hernández [ctb] (<<https://orcid.org/0000-0002-2660-4545>>),
 Stefano Coretta [ctb] (<<https://orcid.org/0000-0001-9627-5532>>,
 stefanocoretta),
 Greg Macfarlane [ctb] (gregmacfarlane),
 Matthias Templ [ctb] (<<https://orcid.org/0000-0002-8638-5276>>,
 matthias-da),
 Alvaro Uzaheta [ctb] (auzaheta),
 JooYoung Seo [ctb] (<<https://orcid.org/0000-0002-4064-6012>>),
 Callum Arnold [ctb] (arnold-c),
 Rob Hyndman [aut] (<<https://orcid.org/0000-0002-2140-5352>>),
 Dmytro Perepolkin [ctb] (<<https://orcid.org/0000-0001-8558-6183>>,
 dmi3kno),
 Tom Palmer [ctb] (<<https://orcid.org/0000-0003-4655-4511>>, remlapmot)

Maintainer Christophe Dervieux <cderv@posit.co>

Repository CRAN

Date/Publication 2023-12-20 16:30:02 UTC

R topics documented:

acm_article	3
ajs_article	13
copernicus_article	13
ieee_article	16
joss_article	17
journals	18
jss_article	18
oup_article	19
rjournal_article	21
rsos_article	22
rss_article	23
string_to_table	24

Index**25**

acm_article	<i>R Markdown output formats for (journal) articles</i>
-------------	---

Description

Most article formats are based on `rmarkdown::pdf_document()`, with a custom Pandoc LaTeX template and different default values for other arguments (e.g., `keep_tex = TRUE`).

Usage

```
acm_article(...)
```

```
acs_article(
  ...,
  keep_tex = TRUE,
  md_extensions = c("-autolink_bare_uris"),
  fig_caption = TRUE
)
```

```
aea_article(..., keep_tex = TRUE, md_extensions = c("-autolink_bare_uris"))
```

```
agu_article(
  ...,
  keep_tex = TRUE,
  citation_package = "natbib",
  highlight = NULL,
  md_extensions = c("-autolink_bare_uris", "-auto_identifiers")
)
```

```
amq_article(
  ...,
```

```
    latex_engine = "xelatex",
    keep_tex = TRUE,
    fig_caption = TRUE,
    md_extensions = c("-autolink_bare_uris")
)

ams_article(..., keep_tex = TRUE, md_extensions = c("-autolink_bare_uris"))

asa_article(..., keep_tex = TRUE, citation_package = "natbib")

arxiv_article(..., keep_tex = TRUE)

bioinformatics_article(..., keep_tex = TRUE, citation_package = "natbib")

biometrics_article(..., keep_tex = TRUE, citation_package = "natbib")

ctex_article(..., template = "default", latex_engine = "xelatex")

ctex(..., template = "default", latex_engine = "xelatex")

elsevier_article(
  ...,
  keep_tex = TRUE,
  md_extensions = c("-autolink_bare_uris"),
  citation_package = "natbib"
)

frontiers_article(..., keep_tex = TRUE, citation_package = "natbib")

glossa_article(..., keep_tex = TRUE, latex_engine = "xelatex")

ims_article(
  journal = c("aoas", "aap", "aop", "aos", "sts"),
  keep_tex = TRUE,
  citation_package = "natbib",
  md_extensions = c("-autolink_bare_uris"),
  pandoc_args = NULL,
  ...
)

informs_article(..., keep_tex = TRUE, citation_package = "natbib")

iop_article(..., keep_tex = TRUE, citation_package = "natbib")

jasa_article(
  ...,
  keep_tex = TRUE,
  latex_engine = "xelatex",
```

```
    citation_package = "natbib"
  )

lipics_article(
  ...,
  latex_engine = "xelatex",
  keep_tex = TRUE,
  citation_package = "natbib",
  md_extensions = c("-autolink_bare_uris", "-auto_identifiers")
)

lncs_article(..., keep_tex = TRUE, citation_package = c("default", "natbib"))

jedm_article(..., keep_tex = TRUE, citation_package = "natbib")

mdpi_article(
  ...,
  keep_tex = TRUE,
  latex_engine = "pdflatex",
  pandoc_args = NULL,
  citation_package = "natbib"
)

mnras_article(..., keep_tex = TRUE, fig_caption = TRUE)

peerj_article(..., keep_tex = TRUE)

pihph_article(
  ...,
  keep_tex = TRUE,
  latex_engine = "xelatex",
  citation_package = "biblatex"
)

plos_article(..., keep_tex = TRUE, md_extensions = c("-autolink_bare_uris"))

pnas_article(..., keep_tex = TRUE)

sage_article(..., highlight = NULL, citation_package = "natbib")

sim_article(
  ...,
  highlight = NULL,
  citation_package = "natbib",
  latex_engine = "xelatex"
)

springer_article(
```

```

    ...,
    keep_tex = TRUE,
    citation_package = "natbib",
    number_sections = TRUE,
    latex_engine = "pdflatex",
    pandoc_args = NULL
  )

tf_article(..., keep_tex = TRUE, citation_package = "natbib")

trb_article(..., keep_tex = TRUE, citation_package = "natbib")

wellcomeor_article(
  ...,
  number_sections = FALSE,
  keep_tex = TRUE,
  citation_package = "natbib"
)

isba_article(
  ...,
  keep_tex = TRUE,
  highlight = NULL,
  citation_package = "natbib"
)

```

Arguments

..., number_sections, keep_tex, latex_engine, citation_package, highlight, fig_caption, md_extensions,
 Arguments passed to `rmarkdown::pdf_document()`.

journal one of "aoas", "aap", "aop", "aos", "sts" for `ims_article`

Value

An R Markdown output format.

Details

You can find more details about each output format below.

acm_article

Format for creating an Association for Computing Machinery (ACM) articles. Adapted from <https://www.acm.org/publications/proceedings-template>.

acs_article

Format for creating an American Chemical Society (ACS) Journal articles. Adapted from <https://pubs.acs.org/page/4a>

acm_article

7

aea_article

Format for creating submissions to the American Economic Association (AER, AEJ, JEL, PP).

agu_article

Format for creating a American Geophysical Union (AGU) article. Adapted from <https://www.agu.org/publish-with-agu/publish#1>.

amq_article

Ce format a été adapté du format du bulletin de l'AMQ.

ams_article

Format for creating an American Meteorological Society (AMS) Journal articles. Adapted from <https://www.ametsoc.org/ams/index.cfm/publications/authors/journal-and-bams-authors/author-resources/latex-author-info/>.

asa_article

This format was adapted from The American Statistician (TAS) format, but it should be fairly consistent across American Statistical Association (ASA) journals.

arxiv_article

Adapted from the George Kour's format for arXiv and bio-arXiv preprints. So far as I'm aware, entirely unofficial but still a staple.

bioinformatics_article

Format for creating submissions to a Bioinformatics journal. Adapted from https://academic.oup.com/bioinformatics/pages/submission_online.

biometrics_article

This format was adapted from the Biometrics journal.

ctex_article

A wrapper function for `rmarkdown::pdf_document()` and the default value of `latex_engine` is changed to `xelatex`, so it works better for typesetting Chinese documents with the LaTeX package **ctex**. The function `ctex` is an alias of `ctex_article`.

elsevier_article

Format for creating submissions to Elsevier journals. Adapted from <https://www.elsevier.com/researcher/author/policies-and-guidelines/latex-instructions>.

It requires a minimum version of 2.10 for Pandoc.

frontiers_article

Format for creating Frontiers journal articles. Adapted from <https://www.frontiersin.org/about/author-guidelines>.

glossa_article

Format for creating submissions to Glossa: a journal of general linguistics. Author Guidelines are available on www.glossa-journal.org. Template is adapted from <https://github.com/guidovw/Glossalatex>.

ims_article

Format for creating submissions to the Institute of Mathematical Statistics **IMS** journals and publications. Adapted from <https://github.com/vtex-soft/texsupport.ims-aos>.

The argument journal accepts the acronym of any of the **journals** in IMS:

- aap: The Annals of Applied Probability
- aoas: The Annals of Applied Statistics
- aop: The Annals of Probability
- aos: The Annals of Statistics
- sts: Statistical Science

informs_article

Format for creating submissions to INFORMS journals. Adapted from ‘<https://pubsonline.informs.org/authorportal>’
It requires a minimum version of 2.10 for Pandoc.

iop_article

Format for creating submissions to IOP journals. Adapted from ‘<https://publishingsupport.iopscience.iop.org/que>’
Please read the guidelines at this link when preparing your article.

jasa_article

Format for creating submissions to the Journal of the Acoustical Society of America. Adapted from <https://acousticalsociety.org/preparing-latex-manuscripts/>.

lipics_article

Format for creating submissions to LIPICs - Leibniz International Proceedings Informatics - articles. Adapted from the official Instructions for Authors at <https://submission.dagstuhl.de/documentation/authors> and the template from the archive authors-lipics-v2019.zip downloaded with version tag v2019.2. The template is provided under The LaTeX Project Public License (LPPL), Version 1.3c.

lncs_article

Format for creating submissions to LNCS - Lecture Notes in Computer Science - articles. Adapted from the official Instructions for Authors at <https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines> and the template from the archive LaTeX2e+Proceedings+Templates+downloaded with version tag 2.21.

jedm_article

Format for creating Journal of Educational Data Mining (JEDM) articles. Adapted from <https://jedm.educationaldatamining.org/index.php/JEDM/information/authors>.

mdpi_article

Format for creating submissions to Multidisciplinary Digital Publishing Institute (MDPI) journals. Adapted from <https://www.mdpi.com/authors/latex>.

Possible arguments for the YAML header are:

- title title of the manuscript
- author list of authors, containing name, affil, and orcid (optional)
- affiliation list containing num, address, and email for defining author affiliations
- authorcitation string with last name and first initial of authors as expected to be shown in a reference
- firstnote can include firstnote through eightnote that correspond to footnote marks in affil
- correspondence contact information of the corresponding author
- journal short name (case sensitive) of the journal, see template for options
- type usually "article" but see template for options
- status usually "submit"
- simplesummary optional, may depend on specific journal
- abstract abstract, limited to 200 words
- keywords 3 to 10 keywords seperated with a semicolon
- acknowledgement acknowledgement backmatter (optional)
- authorcontributions report authorship contributions (optional)
- funding research funding statement
- institutionalreview IRB statements (optional)
- informedconsent Informed consent statements for human research (optional)
- dataavailability Links to datasets or archives (optional)
- conflictsofinterest Conflict of interest statement (see journal instructions)
- sampleavailability Sample availability statement (optional)
- supplementary Supplementary data statement, see template for example (optional)
- abbreviations list of abbreviations containing short and long
- bibliography BibTeX .bib file

- appendix name of appendix tex file
- endnote boolean, if TRUE will print list of endnotes if included in text (optional)
- header-includes: custom additions to the header, before the `\begin{document}` statement
- include-after: for including additional LaTeX code before the `\end{document}` statement

mnras_article

Format for creating an Monthly Notices of Royal Astronomical Society (MNRAS) Journal articles. Adapted from <https://ras.ac.uk>.

peerj_article

Format for creating submissions to The PeerJ Journal. This was adapted from the [PeerJ Overleaf Template](#).

pihph_article

Format for creating submissions to the Papers in Historical Phonology (<http://journals.ed.ac.uk/pihph/about/submissions>). Adapted from <https://github.com/pihph/templates>. This format works well with `latex_engine = "xelatex"` and `citation_package="biblatex"`, which are the default. It may not work correctly if you change these value. In that case, please open an issue and, a PR to contribute a change in the template.

plos_article

Format for creating submissions to PLOS journals. Adapted from <https://journals.plos.org/ploscompbiol/s/latex>.

pnas_article

Format for creating submissions to PNAS journals.

sage_article

Format for creating submissions to Sage Journals. Based on the official Sage Journals Class. Available at https://uk.sagepub.com/sites/default/files/sage_latex_template_4.zip.

Possible arguments for the YAML header are:

- title title of the manuscript
- runninghead short author list for header
- author list of authors, containing name and num
- address list containing num and org for defining author affiliations
- corrauth corresponding author name and address
- email correspondence email
- abstract abstract, limited to 200 words
- keywords keywords for the article

- bibliography BibTeX .bib file name
- classoption options of the sagej class
- header-includes: custom additions to the header, before the `\begin{document}` statement
- include-after: for including additional LaTeX code before the `\end{document}` statement

sim_article

Format for creating submissions to Statistics in Medicine. Based on the official Statistics in Medicine at <https://authorservices.wiley.com/author-resources/Journal-Authors/Prepare/new-journal-design.html>.

This format uses xelatex by default as PDF engine to support the specific NJD fonts, per guideline.

Possible arguments for the YAML header are:

- title title of the manuscript
- author list of authors, containing name and num
- address list containing num and org for defining author affiliations
- presentaddress not sure what they mean with this
- corres author and address for correspondence
- authormark short author list for header
- received, revised, accepted dates of submission, revision, and acceptance of the manuscript
- abstract abstract, limited to 250 words
- keywords up to 6 keywords
- abbreviations, list of abbreviations and description separated by a comma
- bibliography BibTeX .bib file
- classoption options of the WileyNJD class
- longtable set to true to include the longtable package, used by default from pandoc to convert markdown to LaTeX code
- header-includes: custom additions to the header, before the `\begin{document}` statement
- include-after: for including additional LaTeX code before the `\end{document}` statement

springer_article

This format was adapted from the Springer Macro package for Springer Journals.

tf_article

Format for creating submissions to a Taylor & Francis journal. Adapted from '<https://www.tandf.co.uk/journals/authors>'

trb_article

Format for creating submissions to the Transportation Research Board Annual Meeting. Adapted from '<https://www.overleaf.com/latex/templates/transportation-research-board-trb-latex-template/jkfn>' which in turn is hosted at 'https://github.com/chiehrosswang/TRB_LaTeX_tex'

wellcomeor_article

Format for creating submissions to Wellcome Open Research. Adapted from <overleaf.com/latex/templates/wellcome-open-research-article-template/hsmhhbpxvbj>.

isba_article

Format for creating submissions to Bayesian analysis. Based on the official Bayesian analysis `class`. Template shows how to use this format as a base format for bookdown: `:pdf_book`, but it can very well be used on its own (with limitations that figure referencing will not work). Note that the template sets `md_extensions` to exclude `-autolink_bare_uris` because otherwise author emails produce error

Possible arguments for the YAML header are:

- `title` title of the manuscript. Shorter version of the title can be provided as `runtitle`.
- `classoption` should equal `ba` or `ba,preprint` for supplementary article.“
- `author` list of authors, containing `firstname`, `lastname`, `email`, `url`, `affiliationref` (as code) and `footnoterefs` (as list of codes)
- `affiliations` list containing `ref` (code for defining author affiliations), institution name and address itself
- `footnotes` a list of two-element entries: `ref` and `text`
- `abstract` `abstract`, limited to 250 words
- `MSC2020primary`, `MSC2020primary` lists of codes from [MCS2020 database](#)
- `keywords` a list of keywords
- `supplements` a list of entries with two elements `title` and `description`
- `doi` DOI of the article
- `arxiv` Arxiv id
- `acknowledgements` `acknowledgement` text, limited to 250 words
- `bibliography` BibTeX `.bib` file
- `longtable` set to `true` to include the `longtable` package, used by default from pandoc to convert markdown to LaTeX code
- `header-includes`: custom additions to the header, before the `\begin{document}` statement
- `include-after`: for including additional LaTeX code before the `\end{document}` statement

Examples

```
## Not run:
rmarkdown::draft("MyArticle.Rmd", template = "acm", package = "rticles")
rmarkdown::draft("MyArticle.Rmd", template = "asa", package = "rticles")

## End(Not run)
```

ajs_article *Austrian Journal of Statistics (AJS) format.*

Description

Format for creating a Austrian Journal of Statistics (AJS) article. Adapted from <https://www.jstatsoft.org/about/submissions>.

Usage

```
ajs_article(
  ...,
  keep_tex = TRUE,
  citation_package = "natbib",
  pandoc_args = NULL
)
```

Arguments

...	Arguments to <code>rmarkdown::pdf_document()</code>
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., '.aux') generated by LaTeX when compiling '.tex' to '.pdf'. To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
citation_package	The LaTeX package to process citations, natbib or biblatex. Use default if neither package is to be used, which means citations will be processed via the command <code>pandoc-citeproc</code> .
pandoc_args	Additional command line options to pass to pandoc

copernicus_article *Copernicus journals format.*

Description

Format for creating submissions to Copernicus journals.

Usage

```
copernicus_article(
  ...,
  keep_tex = TRUE,
  highlight = NULL,
  citation_package = "natbib",
  md_extensions = c("-autolink_bare_uris", "-auto_identifiers")
)
```

```
)
copernicus_journal_abbreviations(journal_name = "*")
```

Arguments

...	Additional arguments to <code>rmarkdown::pdf_document()</code> . Note: extra_dependencies are not allowed as Copernicus does not support additional packages included via <code>\usepackage{}</code> .
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., <code>.aux</code>) generated by LaTeX when compiling <code>.tex</code> to <code>.pdf</code> . To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
highlight	Syntax highlighting style passed to Pandoc. Supported built-in styles include "default", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "haddock", and "breezedark". Two custom styles are also included, "arrow", an accessible color scheme, and "rstudio", which mimics the default IDE theme. Alternatively, supply a path to a <code>.theme</code> file to use a custom Pandoc style . Note that custom theme requires Pandoc 2.0+. Pass NULL to prevent syntax highlighting.
citation_package	The LaTeX package to process citations, natbib or biblatex. Use default if neither package is to be used, which means citations will be processed via the command <code>pandoc-citeproc</code> .
md_extensions	Markdown extensions to be added or removed from the default definition of R Markdown. See the <code>rmarkdown_format</code> for additional details.
journal_name	A regular expression to filter the by the journal name, see <code>pattern</code> in <code>base::grep()</code> ; defaults to <code>*</code> .

Details

This was adapted from https://publications.copernicus.org/for_authors/manuscript_preparation.html.

An number of required and optional manuscript sections, e.g. acknowledgements, competinginterests, or authorcontribution, must be declared using the respective properties of the R Markdown header - see skeleton file.

Version: Based on `copernicus_package.zip` in the version 7.5, 20 October 2023, using `copernicus.cls` in version 10.1.9, 16 October 2023.

Copernicus journal abbreviations: You can use the function `copernicus_journal_abbreviations()` to get the journal abbreviation for all journals supported by the Copernicus article template.

Important note: The online guidelines by Copernicus are the official resource. Copernicus is not responsible for the community contributions made to support the template in this package. Copernicus converts all typeset TeX files into XML, the expressions and markups have to be highly standardized. Therefore, please keep the following in mind:

- Please provide only one figure file for figures with several panels, and please do not use `\subfloat` or similar commands.
- Please use only commands in which words, numbers, etc. are within braces (e.g. `\textrm{TEXT}`) instead of `\rm TEXT`).
- For algorithms, please use the syntax given in `template.tex` or provide your algorithm as a figure.
- Please do not define new commands.
- Supported packages (`\usepackage{}`) are already integrated in the `copernicus.cls`. Please do not insert additional ones in your `.tex` file.
- If you opt for syntax highlighting for your preprint or other reasons, please do not forget to use `highlight = NULL` for your final file upload once your manuscript was accepted for publication.
- Spaces in labels (`\label{}`) are not allowed; please make sure that no label name is assigned more than once.
- Please do not use `\paragraph{}`; only `\subsubsection{}` is allowed.
- It is not possible to add tables in colour.

Value

An R Markdown output format.

Note

If you use `rmarkdown::pdf_document()`, all internal references (i.e. tables and figures) must use `\ref{}` whereas with `bookdown::pdf_document2()`, you can additionally use `\@ref()`.

References

Manuscript preparation guidelines for authors. https://publications.copernicus.org/for_authors/manuscript_preparation.html

Examples

```
names(copernicus_journal_abbreviations())
copernicus_journal_abbreviations(journal_name = "Science Data")
## Not run:
library("rmarkdown")
draft("MyArticle.Rmd", template = "copernicus", package = "rticles")
render("MyArticle/MyArticle.Rmd")

## End(Not run)
```

iee_article

*IEEE Transactions journal format.***Description**

Format for creating submissions to IEEE Transaction journals. Adapted from https://www.ieee.org/publications_standards/publications/authors/author_templates.html

Usage

```
iee_article(
  draftmode = c("final", "draft", "draftcls", "draftclsnofoot"),
  hyphenfixes = "op-tical net-works semi-conduc-tor",
  IEEEspecialpaper = "",
  with_ifpdf = FALSE,
  with_cite = FALSE,
  with_amsmath = FALSE,
  with_algorithmic = FALSE,
  with_subfig = FALSE,
  with_array = FALSE,
  with_dbfloatfix = FALSE,
  keep_tex = TRUE,
  pandoc_args = NULL,
  md_extensions = c("-autolink_bare_uris"),
  ...
)
```

Arguments

<code>draftmode</code>	Specify the draft mode to control spacing and whether images should be rendered. Valid options are: "final" (default), "draft", "draftcls", or "draftclsnofoot".
<code>hyphenfixes</code>	A character value that provides the correct hyphenations for ambiguous words. Separate new words with spaces.
<code>IEEEspecialpaper</code>	A character value containing the publication's special paper designation.
<code>with_ifpdf</code>	A logical value turning on (TRUE) or off (FALSE) the ifpdf LaTeX package.
<code>with_cite</code>	A logical value turning on (TRUE) or off (FALSE) the cite LaTeX package.
<code>with_amsmath</code>	A logical value turning on (TRUE) or off (FALSE) the amsmath LaTeX package.
<code>with_algorithmic</code>	A logical value turning on (TRUE) or off (FALSE) the algorithmic LaTeX package.
<code>with_subfig</code>	A logical value turning on (TRUE) or off (FALSE) the subfig LaTeX package.
<code>with_array</code>	A logical value turning on (TRUE) or off (FALSE) the array LaTeX package.

<code>with_dblfloatfix</code>	A logical value turning on (TRUE) or off (FALSE) the <code>dblfloatfix</code> LaTeX package.
<code>keep_tex</code>	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., <code>.aux</code>) generated by LaTeX when compiling <code>.tex</code> to <code>.pdf</code> . To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
<code>pandoc_args</code>	Additional command line options to pass to pandoc
<code>md_extensions</code>	Markdown extensions to be added or removed from the default definition of R Markdown. See the <code>rmarkdown_format</code> for additional details.
<code>...</code>	Additional arguments to <code>rmarkdown::pdf_document()</code>

Details

Presently, only the "conference" paper mode offered by the `IEEEtran.cls` is supported.

References

Shell, Michael. "How to use the IEEEtran LATEX class." *Journal of LATEX Class Files* 1.11 (2002): 10-20. http://mirrors.rit.edu/CTAN/macros/latex/contrib/IEEEtran/IEEEtran_HOWTO.pdf

`joss_article` *Journal of Open Source Software (JOSS) format.*

Description

Format for creating a Journal of Open Source Software (JOSS) or Journal of Open Source Education (JOSE) articles. Adapted from <https://github.com/openjournals/whedon>. As these journals take articles as markdown, this format can be used to generate markdown from R Markdown and to locally preview how the article will appear as PDF.

Usage

```
joss_article(journal = "JOSS", keep_md = TRUE, latex_engine = "xelatex", ...)
```

Arguments

<code>journal</code>	one of "JOSS" or "JOSE"
<code>keep_md</code>	Whether to retain the intermediate markdown and images. Defaults to TRUE.
<code>latex_engine, ...</code>	Arguments passed to <code>rmarkdown::pdf_document()</code>

Details

The following variables may be set in YAML metadata to populate fields in the article PDF, but are only necessary fo local preview: `formatted_doi`, `citation_author`, `year`, `volume`, `issue`, `page`, `submitted`, `published`, and `archive_doi`.

journals	<i>List available journals</i>
----------	--------------------------------

Description

List available journal names in this package.

Usage

```
journals()
```

Details

These names can be useful in two ways:

- You can add `_article` suffix to get the name of the output format (e.g., `rjournal_article()`).
- You can use the name directly in the template argument of `rmarkdown::draft()`.

Value

A character vector of the journal names.

Examples

```
articles::journals()
```

jss_article	<i>Journal of Statistical Software (JSS) format.</i>
-------------	--

Description

Format for creating a Journal of Statistical Software (JSS) articles. Adapted from <https://www.jstatsoft.org/about/submissions>.

Usage

```
jss_article(
  ...,
  keep_tex = TRUE,
  citation_package = "natbib",
  pandoc_args = NULL
)
```

Arguments

...	Arguments to <code>rmarkdown::pdf_document()</code>
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., '.aux') generated by LaTeX when compiling '.tex' to '.pdf'. To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
citation_package	The LaTeX package to process citations, natbib or biblatex. Use default if neither package is to be used, which means citations will be processed via the command <code>pandoc-citeproc</code> .
pandoc_args	Additional command line options to pass to pandoc

 oup_article

Oxford University Press.

Description

Format for creating submissions to many Oxford University Press journals. Adapted from https://academic.oup.com/pages/authoring/journals/preparing_your_manuscript and https://academic.oup.com/icesjms/pages/General_Instructions. and the `oup-authoring-template` available on CTAN at <https://www.ctan.org/pkg/oup-authoring-template>.

Usage

```
oup_article(
  oup_version = 0,
  journal = NULL,
  number_sections = FALSE,
  citation_package = ifelse(oup_version == 0, "default", "natbib"),
  papersize = c("large", "medium", "small"),
  document_style = c("contemporary", "modern", "traditional"),
  namedate = FALSE,
  onecolumn = FALSE,
  number_lines = FALSE,
  number_lines_options = NULL,
  keep_tex = TRUE,
  md_extensions = c("-autolink_bare_uris"),
  pandoc_args = NULL,
  ...
)
```

Arguments

oup_version	set to 0 (default) to use the 2009 OUP <code>ouparticle.cls</code> included or set to 1 to use the newer 2020 OUP package <code>oup-authoring-template</code> available on CTAN.
-------------	--

journal	journal Title. <i>(Only useful for oup_version > 0).</i>
number_sections	It will be passed to <code>rmarkdown::pdf_document()</code> . Set to TRUE by default when <code>oup_version = 1</code> is used.
citation_package	The LaTeX package to process citations, natbib or biblatex. Use default if neither package is to be used, which means citations will be processed via the command <code>pandoc-citeproc</code> .
papersize	one of "large" (default), "medium", or "small" setting output page size. <i>(Only useful for oup_version > 0)</i>
document_style	one of "contemporary" (default), "modern", or "traditional" setting overall style of document. <i>(Only useful for oup_version > 0)</i>
namedate	a logical variable indicating if natbib citations should be in name-date format. Defaults to FALSE. <i>(Only useful for oup_version > 0)</i>
onecolumn	a logical variable indicating if one column formatting should be used. Defaults to FALSE. <i>(Only useful for oup_version > 0)</i>
number_lines, number_lines_options	Control the usage of CTAN package <code>lineno</code> in the template. Use <code>number_lines = TRUE</code> to activate and set <code>number_lines_options</code> to change options. <i>(Only useful for oup_version > 0)</i>
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., <code>.aux</code>) generated by LaTeX when compiling <code>.tex</code> to <code>.pdf</code> . To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
md_extensions	Markdown extensions to be added or removed from the default definition of R Markdown. See the <code>rmarkdown_format</code> for additional details.
pandoc_args	Additional command line options to pass to pandoc
...	Additional arguments to <code>rmarkdown::pdf_document()</code>

Details

Note that for

- `oup_version=0`, `citation_package="default"` by default,
- `oup_version=1`, `citation_package="natbib"` by default and `citation_package="biblatex"` is not supported.

Pandoc requirement

`oup_version = 1` requires a minimum version of 2.10.

Examples

```
## Not run:
# Use old template based on `ouparticle.cls`
rmarkdown::draft("MyArticle.Rmd", template = "oup_v0", package = "rticles")
```

```
# Use new template based on `oup-authoring-template` CTAN package
rmarkdown::draft("MyArticle.Rmd", template = "oup_v1", package = "rticles")

## End(Not run)
```

rjournal_article *R Journal format.*

Description

[Deprecated]

This function is now deprecated in favor of the **rjtools** package which is now officially recommended by R Journal <https://rjournal.github.io/submissions.html>. See below for document

Usage

```
rjournal_article(..., keep_tex = TRUE, citation_package = "natbib")
```

Arguments

...	Arguments to <code>rmarkdown::pdf_document()</code> .
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., <code>.aux</code>) generated by LaTeX when compiling <code>.tex</code> to <code>.pdf</code> . To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
citation_package	The LaTeX package to process citations, <code>natbib</code> or <code>bibtex</code> . Use default if neither package is to be used, which means citations will be processed via the command <code>pandoc-citeproc</code> .

About this format and the R Journal requirements

Format for creating R Journal articles. Adapted from <https://journal.r-project.org/submissions.html>.

This file is only a basic article template. For full details of *The R Journal* style and information on how to prepare your article for submission, see the [Instructions for Authors](#)

`rticles::rjournal_article` will help you build the correct files requirements:

- A R file will be generated automatically using `knitr::purl` - see <https://bookdown.org/yihui/rmarkdown-cookbook/purl.html> for more information.
- A tex file will be generated from this Rmd file and correctly included in `RJwrapper.tex` as expected to build `RJwrapper.pdf`.
- All figure files will be kept in the default `rmarkdown *_files` folder. This happens because `keep_tex = TRUE` by default in `rticles::rjournal_article`
- Only the bib filename is to be modified. An example bib file is included in the template (`RJreferences.bib`) and you will have to name your bib file as the tex, R, and pdf files.

About YAML header fields

This section documents some of the YAML fields that can be used with this formats.

The author field in the YAML header:

FIELD	TYPE	DESCRIPTION
name	<i>required</i>	name and surname of the author
affiliation	<i>required</i>	name of the author's affiliation
address	<i>required</i>	at least one address line for the affiliation
url	<i>optional</i>	an additional url for the author or the main affiliation
orcid	<i>optional</i>	the authors ORCID if available
email	<i>required</i>	the author's e-mail address
affiliation2	<i>optional</i>	name of the author's 2nd affiliation
address2	<i>optional</i>	address lines belonging to the author's 2nd affiliation

Please note: Only one url, orcid and email can be provided per author.

Other YAML fields:

FIELD	TYPE	DESCRIPTION
bibliography	<i>with default</i>	the BibTeX file with the reference entries

rsos_article

Royal Society Open Science journal format.

Description

Format for creating submissions to Royal Society Open Science journals.

Usage

```
rsos_article(
  ...,
  keep_tex = TRUE,
  latex_engine = "xelatex",
  pandoc_args = NULL,
  includes = NULL,
  fig_crop = TRUE
)
```

Arguments

... Additional arguments to `rmarkdown::pdf_document()`

keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., '.aux') generated by LaTeX when compiling '.tex' to '.pdf'. To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
latex_engine	LaTeX engine for producing PDF output. Options are "pdflatex", "lualatex", "xelatex" and "tectonic".
pandoc_args	Additional command line options to pass to pandoc
includes	Named list of additional content to include within the document (typically created using the <code>includes</code> function).
fig_crop	Whether to crop PDF figures with the command <code>pdftocrop</code> . This requires the tools <code>pdftocrop</code> and <code>ghostscript</code> to be installed. By default, <code>fig_crop = TRUE</code> if these two tools are available.

Author(s)

Thierry Onkelinx, <thierry.onkelinx@inbo.be>

 rss_article

Royal Statistical Society Journal Format

Description

Format for creating articles for Royal Statistical Society adapted from <https://rss.org.uk/news-publication/publications/journals/submit-paper/>.

Usage

```
rss_article(..., keep_tex = TRUE, citation_package = "natbib")
```

Arguments

...	Arguments to <code>rmarkdown::pdf_document()</code>
keep_tex	Keep the intermediate tex file used in the conversion to PDF. Note that this argument does not control whether to keep the auxiliary files (e.g., '.aux') generated by LaTeX when compiling '.tex' to '.pdf'. To keep these files, you may set <code>options(tinytex.clean = FALSE)</code> .
citation_package	The LaTeX package to process citations, <code>natbib</code> or <code>bibtex</code> . Use default if neither package is to be used, which means citations will be processed via the command <code>pandoc-citeproc</code> .

string_to_table	<i>Split character string into table</i>
-----------------	--

Description

It takes a character string with names separated by comma (e.g. journal's names) and turns them into a table

Usage

```
string_to_table(x, n, split_regex = ", ?")
```

Arguments

x	string to split and convert to table
n	number of bucket to create. It will be the number of column in the resulting data.frame
split_regex	defaults to , ?. Pass to split in base::strsplit() .

Details

If the number of elements can't be split equally in the n column, blank cells will be created and all placed in the last column.

Value

a dataframe of n columns

Examples

```
string_to_table(paste(letters, collapse = ", "), 3)
```


Index

acm_article, 3
acs_article (acm_article), 3
aea_article (acm_article), 3
agu_article (acm_article), 3
ajs_article, 13
amq_article (acm_article), 3
ams_article (acm_article), 3
arxiv_article (acm_article), 3
asa_article (acm_article), 3

base::grep(), 14
base::strsplit(), 24
bioinformatics_article (acm_article), 3
biometrics_article (acm_article), 3
bookdown::pdf_document2(), 15

copernicus_article, 13
copernicus_journal_abbreviations
 (copernicus_article), 13
ctex (acm_article), 3
ctex_article (acm_article), 3

elsevier_article (acm_article), 3

frontiers_article (acm_article), 3

glossa_article (acm_article), 3

ieee_article, 16
ims_article (acm_article), 3
includes, 23
informs_article (acm_article), 3
iop_article (acm_article), 3
isba_article (acm_article), 3

jasa_article (acm_article), 3
jedm_article (acm_article), 3
joss_article, 17
journals, 18
jss_article, 18

lipics_article (acm_article), 3
lncs_article (acm_article), 3

mdpi_article (acm_article), 3
mnras_article (acm_article), 3

oup_article, 19

peerj_article (acm_article), 3
pihph_article (acm_article), 3
plos_article (acm_article), 3
pnas_article (acm_article), 3

rjournal_article, 21
rjournal_article(), 18
rmarkdown::draft(), 18
rmarkdown::pdf_document(), 3, 6, 7, 13–15,
 17, 19–23
rmarkdown_format, 14, 17, 20
rsos_article, 22
rss_article, 23

sage_article (acm_article), 3
sim_article (acm_article), 3
springer_article (acm_article), 3
string_to_table, 24

tf_article (acm_article), 3
trb_article (acm_article), 3

wellcomeor_article (acm_article), 3