Package ‘rticles’

May 15, 2023

Type Package

Title Article Formats for R Markdown

Version 0.25

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 (>= 3.0.0), 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

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R topics documented:

- acm_article ......................................................... 3
- ajs_article ....................................................... 13
- copernicus_article ................................................ 13
- ieee_article ....................................................... 15
- joss_article ....................................................... 17
- journals ............................................................ 17
- jss_article ......................................................... 18
- oup_article ......................................................... 19
- rjournal_article ................................................... 20
- rsos_article ....................................................... 22
- rss_article ......................................................... 23
- string_to_table ................................................... 23

Index 25

acm_article  R Markdown output formats for (journal) articles

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)

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",
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, template, pandoc_args

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/4authors/submission/tex.html.

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

**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/authors/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

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-aoas.
The argument journal accepts the acronym of any of the journals in IMS:
- aap: The Annals of Applied Probability
- 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/questions/latex-template/’. Please read the guidelines at this link when preparing your article.

jasa_article

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+download.zip 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 separated 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)
- **conflictofinterest** 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


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/ploscombiol/s/latex.

pnas_article

Format for creating submissions to PNAS journals.

sage_article


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


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
- bibliography BibTeX .bib file
- classoption options of the WileyNJD-v2 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/InteractCADLaTeX.zip’.

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/jkfndnnkkksw’ 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/hsmhhbpxvvbj>.
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

```r
## 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 rmarkdown::pdf_document()
keep_tex Keep the intermediate tex file used in the conversion to PDF
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 pandoc-citeproc.
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 `rmarkdown::pdf_document()`. Note: `extra_dependencies` are not allowed as Copernicus does not support additional packages included via `\usepackage{}`.

- **keep_tex** Keep the intermediate tex file used in the conversion to PDF
- **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 `.theme` 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 `pandoc-citeproc`.
- **md_extensions** Markdown extensions to be added or removed from the default definition of R Markdown. See the `rmarkdown_format` for additional details.
- **journal_name** A regular expression to filter the by the journal name, see pattern in `base::grep()`: defaults to `*`.

Details

This was adapted from [https://publications.copernicus.org/for_authors/manuscript_preparation.html](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 7.3, 15 March 2023, using `copernicus.cls` in version 10.1.4, 5 December 2022.

**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. `\texttt{TEXT}` instead of `\texttt{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](https://publications.copernicus.org/for_authors/manuscript_preparation.html)

Examples
```r
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)
```

Description
Usage

```r
ieee_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_dblfloatfix = FALSE,
  keep_tex = TRUE,
  pandoc_args = NULL,
  md_extensions = c("-autolink_bare_uris"),
  ...
)
```

Arguments

- **draftmode**: Specify the draft mode to control spacing and whether images should be rendered. Valid options are: "final" (default), "draft", "draftcls", or "draftclsnofoot".
- **hyphenfixes**: A character value that provides the correct hyphenations for ambiguous words. Separate new words with spaces.
- **IEEEspecialpaper**: A character value containing the publication's special paper designation.
- **with_ifpdf**: A logical value turning on (TRUE) or off (FALSE) the ifpdf LaTeX package.
- **with_cite**: A logical value turning on (TRUE) or off (FALSE) the cite LaTeX package.
- **with_amsmath**: A logical value turning on (TRUE) or off (FALSE) the amsmath LaTeX package.
- **with_algorithmic**: A logical value turning on (TRUE) or off (FALSE) the algorithmic LaTeX package.
- **with_subfig**: A logical value turning on (TRUE) or off (FALSE) the subfig LaTeX package.
- **with_array**: A logical value turning on (TRUE) or off (FALSE) the array LaTeX package.
- **with_dblfloatfix**: A logical value turning on (TRUE) or off (FALSE) the dblfloatfix LaTeX package.
- **keep_tex**: Keep the intermediate tex file used in the conversion to PDF
- **pandoc_args**: Additional command line options to pass to pandoc
- **md_extensions**: Markdown extensions to be added or removed from the default definition of R Markdown. See the `rmarkdown_format` for additional details.
- **...**: Additional arguments to `rmarkdown::pdf_document()`

Details

Presently, only the "conference" paper mode offered by the IEEEtran.cls is supported.
## 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](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

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

### Arguments

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

### Details

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

## journals

### Description

List available journal names in this package.

### Usage

```r
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., \texttt{rjournal_article()}).
- You can use the name directly in the template argument of \texttt{rmarkdown::draft()}. 

Value

A character vector of the journal names.

Examples

\texttt{articles::journals()}

---

\texttt{jss_article} \hspace{1cm} \textit{Journal of Statistical Software (JSS) format.}

Description

Format for creating a Journal of Statistical Software (JSS) articles. Adapted from \url{https://www.jstatsoft.org/about/submissions}.

Usage

\texttt{jss_article(}
\hspace{1cm} \texttt{...},
\hspace{1cm} \texttt{keep\_tex = TRUE},
\hspace{1cm} \texttt{citation\_package = "natbib"},
\hspace{1cm} \texttt{pandoc\_args = NULL}
\texttt{)}

Arguments

\texttt{...} \hspace{1cm} Arguments to \texttt{rmarkdown::pdf_document()}

\texttt{keep\_tex} \hspace{1cm} Keep the intermediate tex file used in the conversion to PDF

\texttt{citation\_package} \hspace{1cm} 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 pandoc-citeproc.

\texttt{pandoc\_args} \hspace{1cm} Additional command line options to pass to pandoc
Oxford University Press.

Description


Usage

```r
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 ouparticle.cls included or set to 1 to use the newer 2020 OUP package oup-authoring-template available on CTAN.

- **journal**: journal Title. (*Only useful for oup_version > 0*).

- **number_sections**: It will be passed to `rmarkdown::pdf_document()`. Set to TRUE by default when `oup_version = 1` 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 pandoc-citeproc.

- **papersize**: one of "large" (default), "medium", or "small" setting output page size. (*Only useful for oup_version > 0*)

- **document_style**: one of "contemporary" (default), "modern", or "traditional" setting overall style of document. (*Only useful for oup_version > 0*)
namedate a logical variable indicating if natbib citations should be in name-date format. Defaults to FALSE. \textit{(Only useful for \texttt{oup_version} > 0)}

onecolumn a logical variable indicating if one column formatting should be used. Defaults to FALSE. \textit{(Only useful for \texttt{oup_version} > 0)}

\texttt{number\_lines}, \texttt{number\_lines\_options}
Control the usage of CTAN package \texttt{lineno} in the template. Use \texttt{number\_lines =TRUE} to activate and set \texttt{number\_lines\_options} to change options. \textit{(Only useful for \texttt{oup_version} > 0)}

\texttt{keep\_tex}
Keep the intermediate tex file used in the conversion to PDF

\texttt{md\_extensions}
Markdown extensions to be added or removed from the default definition of R Markdown. See the \texttt{rmarkdown\_format} for additional details.

\texttt{pandoc\_args}
Additional command line options to pass to pandoc

\texttt{...}
Additional arguments to \texttt{rmarkdown::pdf\_document()}

Details

Note that for

- \texttt{oup\_version=0}, \texttt{citation\_package="default"} by default,
- \texttt{oup\_version=1}, \texttt{citation\_package="natbib"} by default and \texttt{citation\_package="biblatex"} is not supported.

Pandoc requirement

\texttt{oup\_version} = 1 requires a minimum version of 2.10.

Examples

```r
## Not run:
# Use old template based on `ouparticle.cls`
rmkdown::draft("MyArticle.Rmd", template = "oup_v0", package = "rticles")
# Use new template based on `oup-authoring-template` CTAN package
rmkdown::draft("MyArticle.Rmd", template = "oup_v1", package = "rticles")
## End(Not run)
```

---

\textit{rjtools package which is now officially recommended by R Journal https://rjtools.github.io/submissions.html. See below for document}
rjournal_article

Usage

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

Arguments

... Arguments to \texttt{\texttt{rmarkdown::pdf_document()}}.
keep_tex Keep the intermediate tex file used in the conversion to PDF
citation_package The \LaTeX{} package to process citations, natbib or biblatex. Use default if
either package is to be used, which means citations will be processed via the
command \texttt{pandoc-citeproc}.

About this format and the \texttt{R Journal} requirements

Format for creating \texttt{R Journal} articles. Adapted from \url{https://journal.r-project.org/submissions.html}.

This file is only a basic article template. For full details of \textit{The \texttt{R Journal}} style and information on
how to prepare your article for submission, see the Instructions for Authors
\texttt{articles::rjournal_article} will help you build the correct files requirements:

- A \texttt{R} file will be generated automatically using \texttt{knitr::purl} - see \url{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 \texttt{RJwapper.tex} as expected to build \texttt{RJwrapper.pdf}.
- All figure files will be kept in the default \texttt{rmarkdown_*_files} folder. This happens because keep Tex = TRUE by default in \texttt{rticles::rjournal_article}
- Only the bib filename is to be modified. An example bib file is included in the template (\texttt{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.

\textbf{The author field in the YAML header:}

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

\textit{Please note: Only one url, orcid and email can be provided per author.}
Other YAML fields:

<table>
<thead>
<tr>
<th>FIELD</th>
<th>TYPE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>bibliography</td>
<td>with default</td>
<td>the BibTeX file with the reference entries</td>
</tr>
</tbody>
</table>

rsos_article  

Royal Society Open Science journal format.

Description

Format for creating submissions to Royal Society Open Science journals.

Usage

```r
r sos_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
- `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 `includes` function).
- `fig_crop` Whether to crop PDF figures with the command `pdfcrop`. This requires the tools `pdfcrop` and `ghostscript` to be installed. By default, `fig_crop = TRUE` if these two tools are available.

Author(s)

Thierry Onkelinx, <thierry.onkelinx@inbo.be>
**rss_article**  
*Royal Statistical Society Journal Format*

**Description**


**Usage**

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

**Arguments**

- `...`: Arguments to `rmarkdown::pdf_document()`
- `keep_tex`: Keep the intermediate tex file used in the conversion to PDF
- `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 `pandoc-citeproc`.

**string_to_table**  
*Split character string into table*

**Description**

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

**Usage**

```r
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

\[
\text{string\_to\_table}(\text{paste}(\text{letters, collapse = ","}), 3)
\]
### Index

<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>acm_article</code></td>
<td>3</td>
</tr>
<tr>
<td><code>acs_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>aea_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>agu_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>ajs_article</code></td>
<td>13</td>
</tr>
<tr>
<td><code>amq_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>ams_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>arxiv_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>asa_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>base::grep()</code>, 14</td>
<td></td>
</tr>
<tr>
<td><code>base::strsplit()</code>, 23</td>
<td></td>
</tr>
<tr>
<td><code>bioinformatics_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>biometrics_article</code> (acm_article)</td>
<td>3</td>
</tr>
<tr>
<td><code>bookdown::pdf_document2()</code>, 15</td>
<td></td>
</tr>
<tr>
<td><code>copernicus_article</code>, 13</td>
<td></td>
</tr>
<tr>
<td><code>copernicus_journal_abbreviations</code> (copernicus_article), 13</td>
<td></td>
</tr>
<tr>
<td><code>ctex (acm_article)</code>, 3</td>
<td></td>
</tr>
<tr>
<td><code>ctex_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>elsevier_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>frontiers_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>glossa_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>ieee_article</code>, 15</td>
<td></td>
</tr>
<tr>
<td><code>ims_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>includes</code>, 22</td>
<td></td>
</tr>
<tr>
<td><code>informs_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>iop_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>isba_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>jasa_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>jedm_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>joss_article</code>, 17</td>
<td></td>
</tr>
<tr>
<td><code>journals</code>, 17</td>
<td></td>
</tr>
<tr>
<td><code>jss_article</code>, 18</td>
<td></td>
</tr>
<tr>
<td><code>lipics_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>lncs_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>mdpi_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>mnras_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>oup_article</code>, 19</td>
<td></td>
</tr>
<tr>
<td><code>peerj_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>pihph_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>plos_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>pnas_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>rjournal_article</code>, 20</td>
<td></td>
</tr>
<tr>
<td><code>rjournal_article()</code>, 18</td>
<td></td>
</tr>
<tr>
<td><code>rmarkdown::draft()</code>, 18</td>
<td></td>
</tr>
<tr>
<td><code>rmarkdown::pdf_document()</code>, 3, 6, 7, 13–23</td>
<td></td>
</tr>
<tr>
<td><code>rmarkdown_format</code>, 14, 16, 20</td>
<td></td>
</tr>
<tr>
<td><code>rsos_article</code>, 22</td>
<td></td>
</tr>
<tr>
<td><code>rss_article</code>, 23</td>
<td></td>
</tr>
<tr>
<td><code>sage_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>sim_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>springer_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>string_to_table</code>, 23</td>
<td></td>
</tr>
<tr>
<td><code>tf_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>trb_article</code> (acm_article), 3</td>
<td></td>
</tr>
<tr>
<td><code>wellcomeor_article</code> (acm_article), 3</td>
<td></td>
</tr>
</tbody>
</table>

25