Package 'rticles'

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Type Package

Title Article Formats for R Markdown

Version 0.10

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

License GPL-3

Imports utils, rmarkdown, knitr, yaml, tinytex, xfun

SystemRequirements GNU make

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

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

RoxygenNote 6.1.1

Suggests testit, bookdown, xtable

Encoding UTF-8

NeedsCompilation no

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R topics documented:

`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")

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

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

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

frontiers_article(..., keep_tex = TRUE)

mdpi_article(..., keep_tex = TRUE)

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

peerj_article(..., keep_tex = TRUE)

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")

springer_article(..., keep_tex = TRUE, citation_package = "none")

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

Arguments

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

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 http://www.acm.org/publications/article-templates/proceedings-template.html.

`acs_article`

Format for creating an American Chemical Society (ACS) Journal articles. Adapted from http://pubs.acs.org/page/4authors/submission/tex.html.

`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://publications.agu.org/author-resource-center/checklists-and-templates/.

`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 Statistican (TAS) format, but it should be fairly consistent across American Statistical Association (ASA) journals.

`biometrics_article`

This format was adapted from the Biometrics journal.

`ctex`

A wrapper function for `rmarkdown::pdf_document()` and changed the default values of two arguments `template` and `latex_engine` so it works better for typesetting Chinese documents with the **ctex** LaTeX package.

`elsevier_article`

Format for creating submissions to Elsevier journals. Adapted from https://www.elsevier.com/authors/author-schemas/latex-instructions.

`frontiers_article`

Format for creating Frontiers journal articles. Adapted from http://home.frontiersin.org/about/author-guidelines.

`mdpi_article`

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

`mnras_article`

Format for creating an Monthly Notices of Royal Astronomical Society (MNRAS) Journal articles. Adapted from https://www.ras.org.uk/news-and-press/2641-new-version-of-the-mnras-latex-package.

`peerj_article`

Format for creating submissions to The PeerJ Journal. This was adapted from the PeerJ Overleaf Template.

`plos_article`

Format for creating submissions to PLOS journals. Adapted from http://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.

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 artucle
- `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 class.

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 http://www.tandf.co.uk/journals/authors/InteractCADLaTeX.zip.

Examples

```
## Not run:
rmarkdown::draft("MyArticle.Rmd", template = "acm_article", package = "rticles")
rmarkdown::draft("MyArticle.Rmd", template = "asa_article", package = "rticles")
## End(Not run)
```

`copernicus_article` *Copernicus journals format.*

Description

Format for creating submissions to Copernicus journals.

Usage

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

copernicus_journal_abbreviations(journal_name = "*")
```

Arguments

`...`	Additional 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 `none` if neither package is to be used.
`md_extensions`	Markdown extensions to be added or removed from the default definition or R Markdown. See the `rmarkdown_format` for additional details.
`journal_name`	A regular expression to filter the by the journal name, see `pattern` in `grep`; defaults to `*`.

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 5.3, 18 February 2019, using `copernicus.cls` in version 8.82.

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. Copenicus 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.
- The most commonly used packages (`\usepackage{}`) are integrated in the copernicus.cls. Some other packages often used by the community are defined in template.tex. Please do not insert additional ones in your *.tex file.
- 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_article", package = "rticles")
render("MyArticle/MyArticle.Rmd")

## End(Not run)
```

---

ieee_article *IEEE Transactions journal format.*

Description

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

Usage

```
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

`...`	Additional arguments to `rmarkdown::pdf_document`
`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 or R Markdown. See the `rmarkdown_format` for additional details.

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

jss_article *Journal of Statistical Software (JSS) format.*

Description

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

Usage

```
jss_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 none if neither package is to be used.

rjournal_article *R Journal format.*

Description

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

Usage

```
rjournal_article(...)
```

Arguments

...	Arguments to rmarkdown::pdf_document

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
latex_engine	LaTeX engine for producing PDF output. Options are "pdflatex", "lualatex", and "xelatex".
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	TRUE to automatically apply the pdfcrop utility (if available) to pdf figures

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rss_article *Royal Statistical Society Journal Format*

Description

Format for creating articles for Royal Statistical Society Adapted from https://www.rss.org.uk/RSS/Publications/Journals/Journals_get_involved/RSS/Publications/Journals_sub/Get_Involved.aspx.

Usage

```
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 `none` if neither package is to be used.

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