Package 'rticles'

February 5, 2020

Type Package

Title Article Formats for R Markdown

Version 0.14

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 (>= 0.19), xfun

SystemRequirements GNU make

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

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

RoxygenNote 7.0.2

Suggests testit, bookdown, xtable

Encoding UTF-8

NeedsCompilation no

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R topics documented:

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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)
```

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

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.

oup_article

Format for creating submissions to many Oxford University Press journals. Adapted from https://academic.oup.com/journals/pages/authors/preparing_your_manuscript and https://academic.oup.com/icesjms/pages/General_Instructions.

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 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 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

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

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

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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

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 necccessary fo local preview: `formatted_doi`, `citation_author`, `year`, `volume`, `issue`, `page`, `submitted`, `published`, and `archive_doi`.

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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(..., citation_package = "natbib")
```

Arguments

`..., citation_package`
                 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

Author(s)

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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/](https://www.rss.org.uk/RSS/Publications/Journals/Journals_get_involved/RSS/Publications/Journals_sub/Get_Involved.aspx)
[RSS/Publications/Journals/Journals_get_involved/RSS/Publications/Journals_sub/Get_](https://www.rss.org.uk/RSS/Publications/Journals/Journals_get_involved/RSS/Publications/Journals_sub/Get_Involved.aspx)
[Involved.aspx](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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