

Package ‘distill’

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Type Package

Title 'R Markdown' Format for Scientific and Technical Writing

Version 1.1

Description Scientific and technical article format for the web. 'Distill' articles feature attractive, reader-friendly typography, flexible layout options for visualizations, and full support for footnotes and citations.

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URL <https://github.com/rstudio/distill>,
<https://pkgs.rstudio.com/distill>

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

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Author JJ Allaire [aut, cre] (<<https://orcid.org/0000-0003-0174-9868>>),
Rich Iannone [aut],
Alison Presmanes Hill [aut] (<<https://orcid.org/0000-0002-8082-1890>>),
Yihui Xie [aut] (<<https://orcid.org/0000-0003-0645-5666>>),
RStudio, Inc. [cph],
Google LLC [ctb, cph] (<https://distill.pub/guide/>),
Nick Williams [ctb, cph] (<https://wicky.nillia.ms/headroom.js/>),
Denis Demchenko [ctb, cph] (<https://github.com/lancedikson/bowser>),

The Polymer Authors [ctb, cph]
 (<https://www.webcomponents.org/polyfills/>),
 Gábor Csárdi [ctb, cph] (whoami),
 JooYoung Seo [ctb] (<<https://orcid.org/0000-0002-4064-6012>>)

Maintainer JJ Allaire <jj@rstudio.com>

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create_article	<i>Create a new article</i>
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Description

Create (and optionally edit) a new distill article.

Usage

```
create_article(file, create_dir = FALSE, edit = TRUE)
```

Arguments

file	File name for the draft
create_dir	TRUE to create a new directory for the document (defaults to FALSE).
edit	TRUE to edit the template immediately

create_post	<i>Create a new blog post</i>
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Description

Create a new blog post

Usage

```
create_post(  
  title,  
  author = "auto",  
  slug = "auto",  
  date = Sys.Date(),  
  date_prefix = date,  
  draft = FALSE,  
  edit = interactive()  
)
```

Arguments

title	Post title
author	Post author. Automatically drawn from previous post if not provided.
slug	Post slug (directory name). Automatically computed from title if not provided.
date	Post date (defaults to current date)
date_prefix	Date prefix for post slug (preserves chronological order for posts within the filesystem). Pass NULL for no date prefix.
draft	Mark the post as a draft (don't include it in the article listing).
edit	Open the post in an editor after creating it.

Note

This function must be called from with a working directory that is within a Distill website.

Examples

```
## Not run:  
library(distill)  
create_post("My Post")  
  
## End(Not run)
```

`create_theme`*Create a Distill theme CSS file*

Description

Create a theme CSS file and write it to the current working directory

Usage

```
create_theme(name = "theme", edit = TRUE)
```

Arguments

<code>name</code>	Name of theme file (will be written as name.css)
<code>edit</code>	Open an editor for the theme file

Details

How do you apply a custom theme to a Distill site or blog? You have two options:

1. Apply it site-wide by adding a theme key to the top-level of your `_site.yml` configuration file:

```
name: "distill"
title: "Distill for R Markdown"
theme: theme.css
navbar:
  # (navbar definition here)
```

2. Apply to an individual article by adding a theme key to your article's YAML front-matter:

```
---
title: "The Sharpe Ratio"
output:
  distill::distill_article:
    toc: true
    theme: theme.css
---
```

The second option allows for you to apply your theme to individual articles, while using a different theme for the rest of your site. Note that this is only possible for stand-alone articles within a website — you cannot apply a theme to individual blog posts *only*.

More details

For further details about theming refer to the [online documentation](#).

create_website	<i>Create a Distill website</i>
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Description

Create a basic skeleton for a Distill website or blog. Use the `create_website()` function for a website and the `create_blog()` function for a blog.

Usage

```
create_website(dir, title, gh_pages = FALSE, edit = interactive())
```

```
create_blog(dir, title, gh_pages = FALSE, edit = interactive())
```

Arguments

<code>dir</code>	Directory for website
<code>title</code>	Title of website
<code>gh_pages</code>	Configure the site for publishing using GitHub Pages
<code>edit</code>	Open site index file or welcome post in an editor.

Note

The `dir` and `title` parameters are required (they will be prompted for interactively if they are not specified).

Examples

```
## Not run:  
library(distill)  
create_website("mysite", "My Site")  
  
## End(Not run)
```

distill_article	<i>R Markdown format for Distill articles</i>
-----------------	---

Description

Scientific and technical writing, native to the web.

Usage

```

distill_article(
  toc = FALSE,
  toc_depth = 3,
  toc_float = TRUE,
  fig_width = 6.5,
  fig_height = 4,
  fig_retina = 2,
  fig_caption = TRUE,
  dev = "png",
  smart = TRUE,
  self_contained = TRUE,
  highlight = "default",
  highlight_downlit = TRUE,
  mathjax = "default",
  extra_dependencies = NULL,
  theme = NULL,
  css = NULL,
  includes = NULL,
  keep_md = FALSE,
  lib_dir = NULL,
  md_extensions = NULL,
  pandoc_args = NULL,
  ...
)

```

Arguments

<code>toc</code>	TRUE to include a table of contents in the output
<code>toc_depth</code>	Depth of headers to include in table of contents
<code>toc_float</code>	Float the table of contents to the left when the article is displayed at widths > 1000px. If set to FALSE or the width is less than 1000px the table of contents will be placed above the article body.
<code>fig_width</code>	Default width (in inches) for figures
<code>fig_height</code>	Default height (in inches) for figures
<code>fig_retina</code>	Scaling to perform for retina displays (defaults to 2, which currently works for all widely used retina displays). Set to NULL to prevent retina scaling. Note that this will always be NULL when <code>keep_md</code> is specified (this is because <code>fig_retina</code> relies on outputting HTML directly into the markdown document).
<code>fig_caption</code>	TRUE to render figures with captions
<code>dev</code>	Graphics device to use for figure output (defaults to png)
<code>smart</code>	Produce typographically correct output, converting straight quotes to curly quotes, --- to em-dashes, -- to en-dashes, and . . . to ellipses.
<code>self_contained</code>	Produce a standalone HTML file with no external dependencies, using data: URIs to incorporate the contents of linked scripts, stylesheets, images, and

	videos. Note that even for self contained documents MathJax is still loaded externally (this is necessary because of its size).
highlight	Syntax highlighting style. Supported styles include "default", "rstudio", "tango", "pygments", "kate", "monochrome", "espresso", "zenburn", "breezedark", and "haddock". Pass NULL to prevent syntax highlighting.
highlight_downlit	Use the downlit package to highlight R code (including providing hyperlinks to function documentation).
mathjax	Include mathjax. The "default" option uses an https URL from a MathJax CDN. The "local" option uses a local version of MathJax (which is copied into the output directory). You can pass an alternate URL or pass NULL to exclude MathJax entirely.
extra_dependencies	Additional function arguments to pass to the base R Markdown HTML output formatter html_document_base
theme	CSS file with theme variable definitions
css	One or more css files to include
includes	Named list of additional content to include within the document (typically created using the includes function).
keep_md	Keep the markdown file generated by knitting.
lib_dir	Directory to copy dependent HTML libraries (e.g. jquery, bootstrap, etc.) into. By default this will be the name of the document with <code>_files</code> appended to it.
md_extensions	Markdown extensions to be added or removed from the default definition or R Markdown. See the rmarkdown_format for additional details.
pandoc_args	Additional command line options to pass to pandoc
...	Additional function arguments to pass to the base R Markdown HTML output formatter html_document_base

Details

Distill articles feature attractive, reader-friendly typography, flexible layout options for visualizations, and full support for footnotes and citations.

distill_website *R Markdown site generator for Distill websites*

Description

R Markdown site generator for Distill websites

Usage

```
distill_website(input, encoding = getOption("encoding"), ...)
```

Arguments

input	Website directory (or the name of a file within the directory).
encoding	Ignored. The encoding is always assumed to be UTF-8.
...	Currently unused.

import_post	<i>Import a post into a blog</i>
-------------	----------------------------------

Description

Import a post from an external source (e.g. GitHub repo, RPub article, etc.).

Usage

```
import_post(
  url,
  slug = "auto",
  date = Sys.Date(),
  date_prefix = date,
  check_license = TRUE,
  overwrite = FALSE,
  view = interactive()
)

update_post(slug, view = interactive())
```

Arguments

url	URL for post to import
slug	Post slug (directory name). Automatically computed from title if not provided.
date	Post date (defaults to current date)
date_prefix	Date prefix for post slug (preserves chronological order for posts within the filesystem). Pass NULL for no date prefix.
check_license	Verify that the imported post has a creative commons license
overwrite	Overwrite existing post? (defaults to FALSE, use <code>update_post()</code> to update an existing post in-place).
view	View the post after importing it.

Value

Returns (invisibly) a logical indicating whether the operation completed (it may not complete if, for example, the user chose not to import an article that lacked a creative commons license).

publish_website	<i>Publish a Distill Website</i>
-----------------	----------------------------------

Description

Publish a website to RStudio Connect

Usage

```
publish_website(  
  site_dir = ".",  
  site_name = NULL,  
  method = c("rsconnect"),  
  server = NULL,  
  account = NULL,  
  render = TRUE,  
  launch_browser = interactive()  
)
```

Arguments

site_dir	Directory containing website. Defaults to current working directory.
site_name	Name for the site (names must be unique within an account). Defaults to the name provided in <code>_site.yml</code> (or to the name of the <code>site_dir</code> if there is no name specified).
method	Publishing method (currently only "rsconnect" is available)
server	Server name. Required only if you use the same account name on multiple servers.
account	Account to deploy application to. This parameter is only required for the initial deployment of an application when there are multiple accounts configured on the system.
render	TRUE to render the site locally before publishing.
launch_browser	If TRUE, the system's default web browser will be launched automatically after the site is deployed. Defaults to TRUE in interactive sessions only.

Examples

```
## Not run:  
library(distill)  
publish_website()  
  
## End(Not run)
```

rename_post_dir	<i>Rename a blog post directory</i>
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Description

Rename a blog post directory, by default using the title and date specified within the post's front matter.

Usage

```
rename_post_dir(post_dir, slug = "auto", date_prefix = "auto")
```

Arguments

post_dir	Path to post directory
slug	Post slug (directory name). Automatically computed from title if not provided.
date_prefix	Date prefix for post. Defaults to the post's date field (or the current date if there is none). Pass NULL to not use a date prefix.

Note

This function must be called from with a working directory that is within a Distill website.

Examples

```
## Not run:  
library(distill)  
rename_post_dir("_posts/2020-09-12-my-post")  
rename_post_dir("_posts/2020-09-12-my-post", date_prefix = "9/15/2020")  
  
## End(Not run)
```

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