

# Package: notestar (via r-universe)

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**Title** Notebooks Using 'Targets' and 'Bookdown'

**Version** 0.0.0.9003

**Description** 'Targets' is an R package for dependency and build management in data analysis projects. This package provides a set of targets and project infrastructure to create 'bookdown'-based notebooks using 'targets'.

**License** GPL (>= 3)

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.0

**Depends** R (>= 4.1.0)

**Imports** knitr, callr, rlang (>= 0.1.2), bookdown, rmarkdown, targets, yaml, ymlthis, tarchetypes, withr, usethis, here, cleanrmd (>= 0.0.7), spelling, htmltools, janitor, config, utils, crayon

**Suggests** testthat (>= 3.0.0), roxygen2, ragg, downlit

**SystemRequirements** pandoc (>= 1.14) - <http://pandoc.org>

**URL** <https://github.com/tjmahr/notestar>

**BugReports** <https://github.com/tjmahr/notestar/issues>

**Config/testthat/edition** 3

**Remotes** gadenbuie/cleanrmd

**Repository** <https://tjmahr.r-universe.dev>

**RemoteUrl** <https://github.com/tjmahr/notestar>

**RemoteRef** HEAD

**RemoteSha** 976db8e08c88a2a257e72032dffac56f10d710e3

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notebook_browse	<i>Open the notebook in a browser</i>
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### Description

Open the notebook in a browser

### Usage

```
notebook_browse(file = NULL)
```

### Arguments

file	full path to the notebook file. Defaults to NULL in which case it finds the path using targets.
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### Value

This function is called for its side effects so it return NULL invisibly.

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notebook_create_page	<i>Create a new notebook page</i>
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### Description

Creates a file with pattern [notebook\_dir]/[date][*-slug*].Rmd.

### Usage

```
notebook_create_page(slug = NULL, date = NULL, open = TRUE)
```

**Arguments**

slug	Optional "slug" (label) for the post. Defaults to "".
date	Optional data to use. This date should have the format YYYY-MM-DD. Defaults to the current date.
open	Whether to open the new file for editing. Defaults to <code>rlang::is_interactive()</code> .

**Value**

Invisible returns the relative path to the created file.

---

```
notebook_set_opts_knit
```

*Set default knitr options for notebook knitting*

---

**Description**

These options are used in the `knitr-helpers.R` file.

**Usage**

```
notebook_set_opts_knit()
notebook_set_opts_chunk()
notebook_set_markdown_hooks()
```

**Value**

a list containing the default options used

---

```
notebook_write_yaml
```

*Write out a yaml-file and return the path*

---

**Description**

This function is a wrapper over `yaml::write_yaml()` that works with file targets.

**Usage**

```
notebook_write_yaml(x, file, ...)
```

**Arguments**

`x, file, ...` arguments passed to `yaml::write_yaml()`.

**Value**

the yaml file is written and the value of `file` is returned

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tar_notebook	<i>Assemble knitted notebook md files into a single-page bookdown document</i>
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## Description

Assemble knitted notebook md files into a single-page bookdown document

## Usage

```
tar_notebook(
  subdir_output = "docs",
  extra_deps = list(),
  use_downlit = FALSE,
  markdown_document2_args = list()
)
```

## Arguments

subdir_output	Subdirectory of dir_md which will contain final html file produced by bookdown. Defaults to "docs".
extra_deps	A list of extra dependencies. These should be the names of targets defined elsewhere in the dependencies graph. Defaults to list(). Use this argument, for example, to force a notebook to depend on a .css file.
use_downlit	whether to post-process the notebook with the downlit syntax highlighter. Default is FALSE.
markdown_document2_args	arguments to pass onto <code>bookdown::markdown_document2()</code> . Defaults to list().

## Details

The list of targets produced includes:

- notebook\_output\_yaml, a file target for \_output.yaml (used by bookdown to set output format options).
- notebook\_bookdown\_yaml, a file target for \_bookdown.yaml (used by bookdown to collate pages).
- notebook, a file target for the final assembled html file used by bookdown.

The only output format supported is an html file produced by `cleanrmd::html_document_clean()`.

## Value

A list of targets.

---

 tar\_notebook\_index\_rmd

*Create index.Rmd file*


---

## Description

This function creates the `index.Rmd` file for the notebook and sets YAML metadata in the file. It also detects CSL and bibliography file dependencies.

## Usage

```
tar_notebook_index_rmd(
  title = "Notebook title",
  author = "Author name",
  bibliography = ymlthis::yml_blank(),
  csl = ymlthis::yml_blank(),
  index_rmd_body_lines = "",
  ...,
  .list = rlang::list2(...)
)
```

## Arguments

<code>title</code>	Title to use for the notebook. Defaults to "Notebook title".
<code>author</code>	Author name for the notebook. Defaults to "Author Name". Multiple authors, email and affiliations can be used by using a list <code>list(name = names, email = emails)</code> . See <code>ymlthis::yml_author()</code> .
<code>bibliography</code>	Name of a <code>.bib</code> file in the <code>dir_notebook</code> rmd folder. This file is copied to <code>[dir_md]/assets/[bibliography]</code> and saved in the YAML metadata in <code>index.Rmd</code> as <code>./assets/[bibliography]</code> . Defaults to <code>ymlthis::yml_blank()</code> . This file is then tracked with targets and set as a dependency for <code>tar_notebook()</code> .
<code>csl</code>	Name of a <code>.csl</code> file in the <code>dir_notebook</code> rmd folder. This file is copied to <code>[dir_md]/assets/[csl]</code> and saved in the YAML metadata in <code>index.Rmd</code> as <code>./assets/[csl]</code> . Defaults to <code>ymlthis::yml_blank()</code> . This file is then tracked with targets and set as a dependency for <code>tar_notebook()</code> .
<code>index_rmd_body_lines</code>	optional character vector to use for body text in <code>index.Rmd</code> . Defaults to "".
<code>...</code>	Additional key-value pairs for setting fields in the yml metadata. For example, <code>subtitle = "Status: Project completed"</code> would add a subtitle to the <code>index.Rmd</code> file and that subtitle would appear in the notebook. These fields cannot include "date" or "site".
<code>.list</code>	Alternatively, these YAML fields may be set using a list. Any key-value pairs in this list will override options set by arguments. For example, an author entry in <code>.list</code> would override the value in the <code>author</code> parameter.

**Value**

a list of targets:

- notebook\_bibliography\_user, notebook\_csl\_user: file targets for the bibliography and csl files in the dir\_notebook user folder.
- notebook\_bibliography\_asset, notebook\_csl\_asset: file targets for the bibliography and csl files in the dir\_md assets folder. These command to build these targets to copy them.
- notebook\_index\_rmd: file target for the index.Rmd file.

If any of these file targets is not used, an empty target `list()` is passed along.

---

tar\_notebook\_pages      *Create targets to knit notebook Rmd files*

---

**Description**

Create targets to knit notebook Rmd files

**Usage**

```
tar_notebook_pages()
```

**Details**

The list of targets produced includes:

- notebook\_helper\_user, a file for the user's helper R script.
- notebook\_helper, a mirrored copy of the notebook\_helper\_user
- one file target for each input Rmd file. Any targets used with `tar_read()` or `tar_load()` inside these files are detected and checked for changes.
- one file target for each output md file.
- notebook\_rmds, a combined target for the input .Rmd files.
- notebook\_mds, a combined target for the output .md files.

**Value**

A list of targets.

---

`use_notestar`*Create a brand new notebook with default settings*

---

## Description

Create a brand new notebook with default settings

## Usage

```
use_notestar(  
  dir_project = ".",  
  dir_notebook = "notebook",  
  dir_md = "notebook/book",  
  notebook_helper = "knitr-helpers.R",  
  cleanrmd_theme = "water",  
  notebook_filename = "notebook",  
  open = interactive()  
)  
  
use_notestar_makefile(dir_project = ".")  
  
use_notestar_references(dir_project = ".")
```

## Arguments

<code>dir_project</code>	file-path to the base/root folder of the project. Defaults to "." which is the current working directory.
<code>dir_notebook</code>	Name of the directory containing the Rmd files. It should be a relative path from the project root. Defaults to "notebook"
<code>dir_md</code>	Name of the directory to contain md files (knitted Rmd files). It should be a relative path from the project root. Defaults to "notebook/book".
<code>notebook_helper</code>	Filename for an R script to run before knitting each Rmd file and rendering the notebook with bookdown. The file must be in <code>dir_md</code> . Defaults to "knitr-helpers.R" so the default location is "notebook/knitr_helpers.R".
<code>cleanrmd_theme</code>	Theme to use for <code>cleanrmd::html_document_clean()</code> . Defaults to "water".
<code>notebook_filename</code>	Name to use for the final html file. Defaults to "notebook" which produces "notebook.html".
<code>open</code>	whether to open <code>_targets.R</code> , <code>notebook/index.Rmd</code> , and <code>R/functions.R</code> when they are created. Defaults to <code>interactive()</code> (whether the code is being called interactively).

**Value**

`use_notestar_makefile()` creates a Makefile that will build or clean a targets-based workflow.

`use_notestar_references()` adds the files "refs.bib" and "apa.csl" to `dir_notebook`.



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