

Package ‘org’

November 22, 2022

Title Organising Projects

Version 2022.11.23

Description A system to help you organize projects. Most analyses have three (or more) main sections: code, results, and data, each with different requirements (version control/sharing/encryption). You provide folder locations and 'org' helps you take care of the details.

Depends R (>= 3.3.0)

License MIT + file LICENSE

URL <https://www.csids.no/org/>, <https://github.com/csids/org>

BugReports <https://github.com/csids/org/issues>

Encoding UTF-8

Suggests testthat, knitr, rmarkdown, rstudioapi, glue

RoxygenNote 7.1.2

VignetteBuilder knitr

Date/Publication 2022-11-22 06:20:02 UTC

NeedsCompilation no

Author Richard Aubrey White [aut, cre]
(<https://orcid.org/0000-0002-6747-1726>)

Maintainer Richard Aubrey White <hello@rwhite.no>

Repository CRAN

R topics documented:

initialize_project	2
project	3
set_results	3
write_text	4

Index	5
--------------	----------

initialize_project *Initializes project*

Description

`org::initialize_project` takes in 2+ arguments. It then saves folder locations in the return value (a new environment) and in `org::project`, which you will use in all of your subsequent code. An additional folder will be created on the user's file system (`org::project$results_today`) which corresponds to `results/YYYY-MM-DD`. The sourced folders are saved into `org::project$env`.

Usage

```
initialize_project(
  env = new.env(),
  home = NULL,
  results = NULL,
  folders_to_be_sourced = "R",
  source_folders_absolute = FALSE,
  encode_from = "UTF-8",
  encode_to = "latin1",
  ...
)
```

Arguments

<code>env</code>	The environment that the code will be sourced into (use <code>.GlobalEnv</code> to source code into the global environment)
<code>home</code>	The folder containing <code>'Run.R'</code> and <code>'R/'</code>
<code>results</code>	A folder inside <code>results</code> with today's date will be created and it will be accessible via <code>org::project\$results_today</code> (this is where you will store all of your results)
<code>folders_to_be_sourced</code>	The names of folders that live inside <code>home</code> and all <code>.r</code> and <code>.R</code> files inside it will be sourced into the global environment.
<code>source_folders_absolute</code>	If <code>TRUE</code> then <code>folders_to_be_sourced</code> is an absolute folder reference. If <code>FALSE</code> then <code>folders_to_be_sourced</code> is relative and inside <code>home</code> .
<code>encode_from</code>	Folders current encoding (only used on Windows)
<code>encode_to</code>	Folders final encoding (only used on Windows)
<code>...</code>	Other folders that you would like to reference

Details

For more details see the help vignette: `vignette("intro", package = "org")`

Value

Returns an environment that contains:

- Folder locations
- An environment called `env` into which the code has been sourced into. There is also a side effect where `org::project` mirrors these values.

Examples

```
org::initialize_project(
  home = paste0(tempdir(), "/git/analyses/2019/analysis3/"),
  results = paste0(tempdir(), "/dropbox/analyses_results/2019/analysis3/"),
  raw = paste0(tempdir(), "/data/analyses/2019/analysis3/")
)
org::project$results_today
org::project$raw
```

project	<i>Folders to be used/referenced (environment)</i>
---------	--

Description

Folders to be used/referenced (environment)

Usage

```
project
```

Format

An object of class `environment` of length 0.

set_results	<i>Set results folder after initialization</i>
-------------	--

Description

Set results folder after initialization

Usage

```
set_results(results, proj = org::project)
```

Arguments

results	A folder inside results with today's date will be created and it will be accessible via org::project\$results_today (this is where you will store all of your results)
proj	The project environment (default is org::project)

Value

Nothing. There is a side effect where the environments proj and org::project have the values \$results and \$results_today altered.

write_text	<i>Write text to a file</i>
------------	-----------------------------

Description

Write text to a file

Usage

```
write_text(
  txt,
  file = "",
  header = "**THIS FILE IS CONSTANTLY OVERWRITTEN -- DO NOT MANUALLY EDIT**\r\n\r\n"
)
```

Arguments

txt	Text to be written
file	File, passed through to base::cat
header	Optional header that is inserted at the top of the text file

Value

No return value.

Index

* **datasets**

project, [3](#)

initialize_project, [2](#)

project, [3](#)

set_results, [3](#)

write_text, [4](#)