

# Package: checklist (via r-universe)

August 18, 2024

**Type** Package

**Title** A Thorough and Strict Set of Checks for R Packages and Source Code

**Version** 0.4.0

**Description** An opinionated set of rules for R packages and R source code projects.

**License** GPL-3

**URL** <https://inbo.github.io/checklist/>,  
<https://github.com/inbo/checklist>,  
<https://doi.org/10.5281/zenodo.4028303>

**BugReports** <https://github.com/inbo/checklist/issues>

**Depends** R (>= 4.1.0)

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**Suggests** bookdown, covr, curl, mockery, roxygen2, rstudioapi, showtext, sysfonts, testthat, zen4R (>= 0.10)

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<code>add_badges</code>	<i>add badges to a README</i>
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### Description

- doi: add a DOI badge
- url: add a website badge

### Usage

```
add_badges(x = ".", ...)
```

### Arguments

<code>x</code>	Either a checklist object or a path to the source code. Defaults to ..
<code>...</code>	Additional arguments

### See Also

Other both: [check\\_filename\(\)](#), [check\\_lintr\(\)](#), [check\\_spelling\(\)](#), [custom\\_dictionary\(\)](#), [default\\_organisation\(\)](#), [print.checklist\\_spelling\(\)](#), [read\\_checklist\(\)](#), [read\\_organisation\(\)](#), [write\\_checklist\(\)](#), [write\\_organisation\(\)](#)

### Examples

```
## Not run:
add_badges(url = "https://www.inbo.be")
add_badges(doi = "10.5281/zenodo.8063503")
add_badges(check_project = "inbo/checklist")
add_badges(check_package = "inbo/checklist")
add_badges(url = "https://www.inbo.be", doi = "10.5281/zenodo.8063503")

## End(Not run)
```

---

ask_yes_no	<i>Function to ask a simple yes no question</i>
------------	---

---

### Description

Function to ask a simple yes no question

### Usage

```
ask_yes_no(msg, default = TRUE, prompts = c("Yes", "No", "Cancel"), ...)
```

### Arguments

msg	The prompt message for the user.
default	The default response.
prompts	Any of: a character vector containing 3 prompts corresponding to return values of TRUE, FALSE, or NA, or a single character value containing the prompts separated by / characters, or a function to call.
...	Additional parameters, ignored by the default function.

### See Also

Other utils: [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

bookdown_zenodo	<i>Render a bookdown and upload to Zenodo</i>
-----------------	---

---

### Description

First clears all the existing files in the output\_dir set in \_bookdown\_.yaml. Then renders all required output formats and uploads them to Zenodo. `bookdown_zenodo()` creates a draft record when you don't specify a community in the yaml. Otherwise it creates a review request for the first community.

### Usage

```
bookdown_zenodo(
  path,
  zip_format = c("bookdown::gitbook", "INB0md::gitbook"),
  single_format = c("bookdown::pdf_book", "bookdown::epub_book", "INB0md::pdf_report",
    "INB0md::epub_book"),
  token,
  sandbox = TRUE,
  logger = "INFO"
)
```

**Arguments**

path	The root folder of the report
zip_format	A vector with output formats that generate multiple files. The function will bundle all the files in a zip file for every format.
single_format	A vector with output formats that generate a single output file. The output will remain as is.
token	the user token for Zenodo. By default an attempt will be made to retrieve token using <code>zenodo_pat()</code> .
sandbox	When TRUE, upload a test version to <a href="https://sandbox.zenodo.org">https://sandbox.zenodo.org</a> . When FALSE, upload the final version to <a href="https://zenodo.org">https://zenodo.org</a> .
logger	Type of logger for Zenodo upload. Defaults to "INFO" which provides minimal logs. Use NULL to hide the logs. "DEBUG" provides the full log.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

 checklist

*The checklist R6 class*


---

**Description**

A class which contains all checklist results.

**Super class**

`checklist::spelling` -> checklist

**Public fields**

package A logical indicating whether the source code refers to a package.

**Active bindings**

get\_checked A vector with checked topics.

get\_path The path to the package.

get\_required A vector with the names of the required checks.

get\_spelling Return the issues found by `check_spelling()`

fail A logical indicating if any required check fails.

template A list for a check list template.

## Methods

### Public methods:

- `checklist$add_error()`
- `checklist$add_linter()`
- `checklist$add_motivation()`
- `checklist$add_notes()`
- `checklist$add_rcmdcheck()`
- `checklist$add_spelling()`
- `checklist$add_warnings()`
- `checklist$allowed()`
- `checklist$confirm_motivation()`
- `checklist$new()`
- `checklist$print()`
- `checklist$set_required()`
- `checklist$clone()`

**Method** `add_error()`: Add errors

*Usage:*

```
checklist$add_error(errors, item, keep = TRUE)
```

*Arguments:*

`errors` A vector with errors.

`item` The item on which to store the errors.

`keep` Keep old results

**Method** `add_linter()`: Add results from `lintr::lint_package()`

*Usage:*

```
checklist$add_linter(linter)
```

*Arguments:*

`linter` A vector with linter errors.

**Method** `add_motivation()`: Add motivation for allowed issues.

*Usage:*

```
checklist$add_motivation(which = c("warnings", "notes"))
```

*Arguments:*

`which` Which kind of issue to add.

**Method** `add_notes()`: Add notes

*Usage:*

```
checklist$add_notes(notes, item)
```

*Arguments:*

`notes` A vector with notes.

`item` The item on which to store the notes.

**Method** `add_rcmdcheck()`: Add results from `rcmdcheck::rcmdcheck`

*Usage:*

```
checklist$add_rcmdcheck(errors, warnings, notes)
```

*Arguments:*

`errors` A vector with errors.

`warnings` A vector with warning messages.

`notes` A vector with notes.

**Method** `add_spelling()`: Add results from `check_spelling()`

*Usage:*

```
checklist$add_spelling(issues)
```

*Arguments:*

`issues` A `data.frame` with spell checking issues.

**Method** `add_warnings()`: Add warnings

*Usage:*

```
checklist$add_warnings(warnings, item)
```

*Arguments:*

`warnings` A vector with warnings.

`item` The item on which to store the warnings.

**Method** `allowed()`: Add allowed warnings and notes

*Usage:*

```
checklist$allowed(  
  warnings = vector(mode = "list", length = 0),  
  notes = vector(mode = "list", length = 0)  
)
```

*Arguments:*

`warnings` A vector with allowed warning messages. Defaults to an empty list.

`notes` A vector with allowed notes. Defaults to an empty list.

`package` Does the check list refers to a package. Defaults to `TRUE`.

**Method** `confirm_motivation()`: Confirm the current motivation for allowed issues.

*Usage:*

```
checklist$confirm_motivation(which = c("warnings", "notes"))
```

*Arguments:*

`which` Which kind of issue to confirm.

**Method** `new()`: Initialize a new checklist object.

*Usage:*

```
checklist$new(x = ".", language, package = TRUE)
```

*Arguments:*

x The path to the root of the project.  
language The default language for spell checking.  
package Is this a package or a project?

**Method** `print()`: Print the checklist object. Add `quiet = TRUE` to suppress printing.

*Usage:*

```
checklist$print(...)
```

*Arguments:*

... See description.

**Method** `set_required()`: set required checks

*Usage:*

```
checklist$set_required(checks = character(0))
```

*Arguments:*

checks a vector of required checks

**Method** `clone()`: The objects of this class are cloneable with this method.

*Usage:*

```
checklist$clone(deep = FALSE)
```

*Arguments:*

deep Whether to make a deep clone.

### See Also

Other class: [citation\\_meta](#), [organisation](#), [spelling](#)

---

check\_codemeta

*Check the package metadata*

---

### Description

Use the checks from `codemeta::give_opinions()`.

### Usage

```
check_codemeta(x = ".")
```

### Arguments

x Either a checklist object or a path to the source code. Defaults to ..

### Value

A checklist object.

**See Also**

Other package: [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

check_cran	<i>Run all the package checks required by CRAN</i>
------------	--

---

**Description**

CRAN imposes an impressive list of tests on every package before publication. This suite of test is available in every R installation. Hence we use this full suite of tests too. Notice that `check_package()` runs several additional tests.

**Usage**

```
check_cran(x = ".", quiet = FALSE)
```

**Arguments**

x	Either a checklist object or a path to the source code. Defaults to ..
quiet	Whether to print check output during checking.

**Value**

A checklist object.

**See Also**

Other package: [check\\_codemeta\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

check_description	<i>Check the DESCRIPTION file</i>
-------------------	-----------------------------------

---

**Description**

The DESCRIPTION file contains the most important meta-data of the package. A good DESCRIPTION is tidy, has a meaningful version number, full author details and a clear license.

**Usage**

```
check_description(x = ".")
```

**Arguments**

x Either a checklist object or a path to the source code. Defaults to ..

**Details**

This function ensures the DESCRIPTION is tidy, using tidy\_desc().

The version number of the package must have either a 0.0 or a 0.0.0 format (see [this discussion](#) why we allow only these formats). The version number in every branch must be larger than the current version number in the main or master branch. New commits in the main or master must have a larger version number than the previous commit. We recommend to protect the main or master branch and to not commit into the main or master.

Furthermore we check the author information.

- Is INBO listed as copyright holder and funder?
- Has every author an ORCID?

We check the license through check\_license().

**See Also**

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

check\_documentation    *Check the documentation*

---

**Description**

The function make sure that the documentation is up to date. Rules:

- You must use [roxygen2](#) to document the functions.
- If you use a README.Rmd, it should be rendered. You need at least a README.md.
- Don't use a NEWS.Rmd but a NEWS.md.
- NEWS.md must contain an entry for the current package version.

**Usage**

```
check_documentation(x = ".", quiet = FALSE)
```

**Arguments**

x Either a checklist object or a path to the source code. Defaults to ..

quiet Whether to print check output during checking.

## Details

The function generates the help files from the roxygen2 tag in the R code. Then it checks whether any of the help files changed. We use the same principle with the README.Rmd. If any file changed, the documentation does not match the code. Hence `check_documentation()` returns an error.

A side effect of running `check_documentation()` locally, is that it generates all the documentation. So the only thing left for you to do, is to commit these changes. Pro tip: make sure RStudio renders the roxygen2 tags whenever you install and restart the package. We describe this in `vignette("getting_started")` under "Prepare local setup".

## Required format for NEWS.md

```
# package_name version
```

```
* Description of something that changed.
```

```
* Lines should not exceed 80 characters.
```

```
  Start a new line with two space to continue an item.
```

```
* Add a single blank line before and after each header.
```

```
## Second level heading
```

```
* You can use second level headings when you want to add more structure.
```

```
# `package_name` version
```

```
* Adding back ticks around the package name is allowed.
```

## See Also

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

check\_environment

*Make sure that the required environment variables are set on GitHub*

---

## Description

Some actions will fail when these environment variables are not set. This function does only work on GitHub.

## Usage

```
check_environment(x = ".")
```

## Arguments

x Either a checklist object or a path to the source code. Defaults to ..

**Value**

An invisible checklist object.

**See Also**

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

check_filename	<i>Check the style of file and folder names</i>
----------------	---

---

**Description**

A consistent naming schema avoids problems when working together, especially when working with different OS. Some OS (e.g. Windows) are case-insensitive whereas others (e.g. Linux) are case-sensitive. Note that the checklist GitHub Actions will test your code on Linux, Windows and MacOS.

**Usage**

```
check_filename(x = ".")
```

**Arguments**

x Either a checklist object or a path to the source code. Defaults to ..

**Details**

The sections below describe the default rules. We allow several exceptions when the community standard is different. E.g. a package stores the function scripts in the R folder, while our standard enforces lower case folder names. Use the community standard, even if it does not conform with the checklist rules. Most likely checklist will have an exception for the name. If not, you can file an [issue](#) and motivate why you think we should add an exception.

**Rules for folder names**

- Folder names should only contain lower case letters, numbers, dashes (-) and underscores (\_).
- They can start with a single dot (.).

**Default rules for file names**

- Base names should only contain lower case letters, numbers, dashes (-) and underscores (\_).
- File extensions should only contain lower case letters and numbers. Exceptions: file extensions related to R must have an upper case R ( .R, .Rd, .Rda, .Rnw, .Rmd, .Rproj). Exception to these exceptions: R/sysdata.rda.

**Exceptions for some file formats**

Underscores (`_`) causes problems for graphical files when using LaTeX to create pdf output. This is how we generate pdf output from rmarkdown. Therefore you need to use a dash (`-`) as separator instead of an underscores (`_`). Applies to files with extensions `eps`, `jpg`, `jpeg`, `pdf`, `png`, `ps`, `svg` and `.cls`.

We ignore files with `.otf` or `.ttf` extensions. These are fonts files which often require their own file name scheme.

**See Also**

Other both: `add_badges()`, `check_lintr()`, `check_spelling()`, `custom_dictionary()`, `default_organisation()`, `print.checklist_spelling()`, `read_checklist()`, `read_organisation()`, `write_checklist()`, `write_organisation()`

---

 check\_folder

*Check the folder structure*


---

**Description**

For the time being, this function only checks projects. Keep in mind that R packages have requirements for the folder structure. That is one of things that `check_cran()` checks.

**Usage**

```
check_folder(x = ".")
```

**Arguments**

`x` Either a `checklist` object or a path to the source code. Defaults to `..`

**Recommended folder structure**

- `source`: contains all R scripts and Rmd files.
- `data`: contains all data files.

**source**

A simple project with only R scripts or only Rmd files can place all the files directly in the `source` folder.

More elaborate projects should place in the files in several folders under `source`. Place every bookdown document in a dedicated folder. And create an RStudio project for that folder.

## data

Simple projects in which source has no subfolders, place data at the root of the project. For more elaborate project you must choose between either data at the root of the project or data as subfolder of the subfolders of source. E.g. source/report/data.

Place the data in an open file format. E.g. csv, txt or tsv for tabular data. We strongly recommend to use `git2rdata::write_vc()` to store such data. Use the `geopackage` format for spatial data. Optionally add description of the data as markdown files.

## See Also

Other project: [check\\_project\(\)](#), [check\\_source\(\)](#)

---

check_license	<i>Check the license of a package</i>
---------------	---------------------------------------

---

## Description

Every package needs a clear license. Without a license, the end-users have no clue under what conditions they can use the package. You must specify the license in the DESCRIPTION and provide a LICENSE.md file.

## Usage

```
check_license(x = ".")
```

## Arguments

x Either a checklist object or a path to the source code. Defaults to ..

## Details

This functions checks if the DESCRIPTION mentions one of the standard licenses. The LICENSE.md must match this license. Use `setup_package()` to add the correct LICENSE.md to the package.

Currently, following licenses are allowed:

- GPL-3
- MIT

We will consider pull requests adding support for other open source licenses.

## See Also

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

check_lintr	<i>Check the packages for linters</i>
-------------	---------------------------------------

---

### Description

This functions does **static code analysis**. It relies on `lintr::lint_package()`. We recommend that you activate all code diagnostics in RStudio to help meeting the requirements. You can find this in the menu *Tools > Global options > Code > Diagnostics*. Please have a look at `vignette("philosophy")` for more details on the rules.

### Usage

```
check_lintr(x = ".", quiet = FALSE)
```

### Arguments

x	Either a checklist object or a path to the source code. Defaults to ..
quiet	Whether to print check output during checking.

### See Also

Other both: `add_badges()`, `check_filename()`, `check_spelling()`, `custom_dictionary()`, `default_organisation()`, `print.checklist_spelling()`, `read_checklist()`, `read_organisation()`, `write_checklist()`, `write_organisation()`

---

check_package	<i>Run the complete set of standardised tests on a package</i>
---------------	--

---

### Description

A convenience function that runs all packages related tests in sequence. The details section lists the relevant functions. After fixing a problem, you can quickly check if it is solved by running only the related check. But we still recommend to run `check_package()` before you push to GitHub. And only push when the functions indicate that there are no problems. This catches most problems before sending the code to GitHub.

### Usage

```
check_package(  
  x = ".",  
  fail = !interactive(),  
  pkgdown = interactive(),  
  quiet = FALSE  
)
```

**Arguments**

x	Either a checklist object or a path to the source code. Defaults to ..
fail	Should the function return an error in case of a problem? Defaults to TRUE on a non-interactive session and FALSE on an interactive session.
pkgdown	Test pkgdown website. Defaults to TRUE on an interactive session and FALSE on a non-interactive session.
quiet	Whether to print check output during checking.

**Details**

List of checks in order:

1. check\_cran()
2. check\_lintr()
3. check\_filename()
4. check\_description()
5. check\_documentation()
6. check\_codemeta()

**See Also**

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

check_project	<i>Run the required quality checks on a project</i>
---------------	---

---

**Description**

Set or update the required checks via `setup_project()`.

**Usage**

```
check_project(x = ".", fail = !interactive(), quiet = FALSE)
```

**Arguments**

x	Either a checklist object or a path to the source code. Defaults to ..
fail	Should the function return an error in case of a problem? Defaults to TRUE on a non-interactive session and FALSE on an interactive session.
quiet	Whether to print check output during checking.

**See Also**

Other project: [check\\_folder\(\)](#), [check\\_source\(\)](#)

---

check_source	<i>Standardised test for an R source repository</i>
--------------	---

---

### Description

A convenience function that runs test on a project with only .R and .Rmd files. The details section lists the relevant functions. When you fixed a problem, you can speed things up by running only the related check. We still recommend to run `check_source()` before you push to GitHub. And only push when the functions indicate that there are no problems. This catches most problems before sending the code to GitHub.

### Usage

```
check_source(x = ".", fail = !interactive())
```

### Arguments

x	Either a checklist object or a path to the source code. Defaults to ..
fail	Should the function return an error in case of a problem? Defaults to TRUE on non-interactive session and FALSE on an interactive session.

### Details

List of checks in order:

1. `check_lintr()`
2. `check_filename()`

### See Also

Other project: [check\\_folder\(\)](#), [check\\_project\(\)](#)

---

check_spelling	<i>Spell check a package or project</i>
----------------	---

---

### Description

This function checks by default any markdown (.md) or Rmarkdown (.Rmd) file found within the project. It also checks any R help file (.Rd) in the man folder. Use the `set_exceptions()` method of the checklist object to exclude files or use a different language. Have a look at `vignette("spelling", package = "checklist")` for more details.

### Usage

```
check_spelling(x = ".", quiet = FALSE)
```

**Arguments**

`x` Either a checklist object or a path to the source code. Defaults to `..`

`quiet` Whether to print check output during checking.

**See Also**

Other both: `add_badges()`, `check_filename()`, `check_lintr()`, `custom_dictionary()`, `default_organisation()`, `print.checklist_spelling()`, `read_checklist()`, `read_organisation()`, `write_checklist()`, `write_organisation()`

---

citation\_meta

*The citation\_meta R6 class*

---

**Description**

A class which contains citation information.

**Active bindings**

`get_errors` Return the errors

`get_meta` Return the meta data as a list

`get_notes` Return the notes

`get_type` A string indicating the type of source.

`get_path` The path to the project.

`get_warnings` Return the warnings

**Methods****Public methods:**

- `citation_meta$new()`
- `citation_meta$print()`
- `citation_meta$clone()`

**Method** `new()`: Initialize a new `citation_meta` object.

*Usage:*

```
citation_meta$new(path = ".")
```

*Arguments:*

`path` The path to the root of the project.

**Method** `print()`: Print the `citation_meta` object.

*Usage:*

```
citation_meta$print(...)
```

*Arguments:*

... currently ignored.

**Method** clone(): The objects of this class are cloneable with this method.

*Usage:*

```
citation_meta$clone(deep = FALSE)
```

*Arguments:*

deep Whether to make a deep clone.

### See Also

Other class: [checklist](#), [organisation](#), [spelling](#)

---

clean\_git

*Clean the git repository*

---

### Description

- update local branches that are behind their counterpart on origin.
- list local branches that have diverged from their counterpart the origin.
- list local branches without counterpart on origin that have diverged from the main branch.
- remove local branches without counterpart on origin and fully merged into the main branch.
- remove local copies of origin branches deleted at the origin.

### Usage

```
clean_git(repo = ".", verbose = TRUE)
```

### Arguments

repo	The path to the git repository. If the directory is not a repository, parent directories are considered (see <a href="#">git_find</a> ). To disable this search, provide the filepath protected with <a href="#">I()</a> . When using this parameter, always explicitly call by name (i.e. repo = ) because future versions of gert may have additional parameters.
verbose	display some progress info while downloading

### See Also

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

create\_hexsticker      *Make hexagonal logo for package*

---

## Description

This function makes a hexagonal logo in INBO style for the provided package name.

## Usage

```
create_hexsticker(  
  package_name,  
  filename = path("man", "figures", "logo.svg"),  
  icon,  
  x = 0,  
  y = 0,  
  scale = 1  
)
```

## Arguments

package_name	package name that should be mentioned on the hexagonal sticker.
filename	filename to save the sticker.
icon	optional filename to an .svg file with an icon.
x	number of pixels to move the icon to the right. Use negative numbers to move the icon to the left.
y	number of pixels to move the icon to the bottom. Use negative numbers to move the icon to the top.
scale	Scales the icon.

## Value

A figure is saved in the working directory or provided path.

## See Also

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

## Examples

```
## Not run:  
# make tempfile to save logo (or just use (path and) filename)  
#' output <- tempfile(pattern = "hexsticker", fileext = ".svg")  
create_hexsticker("checklist", filename = output)  
  
## End(Not run)
```

---

create_package	<i>Create an R package according to INBO requirements</i>
----------------	---

---

### Description

Creates a package template in a new folder. Use this function when you want to start a new package. Please DO READ `vignette("getting_started")` before running this function.

### Usage

```
create_package(  
  package,  
  path = ".",  
  title,  
  description,  
  keywords,  
  language = "en-GB",  
  license = c("GPL-3", "MIT"),  
  communities = character(0),  
  maintainer  
)
```

### Arguments

package	Name of the new package.
path	Where to create the package directory.
title	A single sentence with the title of the package.
description	A single paragraph describing the package.
keywords	A vector of keywords.
language	Language of the project in xx-YY format. xx is the two letter code for the language. YY is the two letter code for the language variant. E.g. en-GB for British English, en-US for American English, nl-BE for Belgian Dutch.
license	What type of license should be used? Choice between GPL-3 and MIT. Default GPL-3.
communities	An optional vector of Zenodo community id's.
maintainer	When missing, the function interactively lets you add the maintainer and other authors. Otherwise it must be the output of <code>utils::person()</code> .

### Details

What you get with a checklist setup:

- minimal folder structure and files required for an R package using INBO guidelines with GPL-3 or MIT license.
- an RStudio project file

- a local git repository
- an initial NEWS.md file
- a template for an README.Rmd
- set-up for automated checks and releases of the package using GitHub Actions.
- a code of conduct and contributing guidelines.
- the set-up for a pkgdown website using the INBO corporate identity.

### See Also

Other setup: [create\\_project\(\)](#), [prepare\\_ghpages\(\)](#), [set\\_license\(\)](#), [setup\\_package\(\)](#), [setup\\_project\(\)](#), [setup\\_source\(\)](#)

### Examples

```
# maintainer in `utils::person()` format
maintainer <- person(
  given = "Thierry",
  family = "Onkelinx",
  role = c("aut", "cre"),
  email = "thierry.onkelinx@inbo.be",
  comment = c(ORCID = "0000-0001-8804-4216")
)

# creating the package
path <- tempfile()
dir.create(path)
create_package(
  path = path, package = "packagename", title = "package title",
  description = "A short description.", maintainer = maintainer,
  language = "en-GB", license = "GPL-3", keywords = "keyword"
)
```

---

create\_project

*Initialise a new R project*

---

### Description

This function creates a new RStudio project with `checklist` functionality.

### Usage

```
create_project(path, project)
```

### Arguments

path	The folder in which to create the project as a folder.
project	The name of the project.

**See Also**

Other setup: [create\\_package\(\)](#), [prepare\\_ghpages\(\)](#), [set\\_license\(\)](#), [setup\\_package\(\)](#), [setup\\_project\(\)](#), [setup\\_source\(\)](#)

---

custom\_dictionary      *Add words to custom dictionaries*

---

**Description**

Add words to custom dictionaries

**Usage**

```
custom_dictionary(issues)
```

**Arguments**

issues              The output of `check_spelling()`.

**See Also**

Other both: [add\\_badges\(\)](#), [check\\_filename\(\)](#), [check\\_lintr\(\)](#), [check\\_spelling\(\)](#), [default\\_organisation\(\)](#), [print.checklist\\_spelling\(\)](#), [read\\_checklist\(\)](#), [read\\_organisation\(\)](#), [write\\_checklist\(\)](#), [write\\_organisation\(\)](#)

---

c\_sort              *Sort using the C locale*

---

**Description**

Setting the locale before sorting ensures a stable sorting order

**Usage**

```
c_sort(x, ...)
```

**Arguments**

x                    for sort an R object with a class or a numeric, complex, character or logical vector. For `sort.int`, a numeric, complex, character or logical vector, or a factor.

...                  arguments to be passed to or from methods or (for the default methods and objects without a class) to `sort.int`.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

default\_organisation    *Write default organisation settings*

---

**Description**

Store the default organisation rules. First run `org <- organisation$new()` with the appropriate argument. Next you can store the configuration with `default_organisation(org)`.

**Usage**

```
default_organisation(org = organisation$new())
```

**Arguments**

`org`                    An organisation object. Create it with `organisation$new()`.

**See Also**

Other both: [add\\_badges\(\)](#), [check\\_filename\(\)](#), [check\\_lintr\(\)](#), [check\\_spelling\(\)](#), [custom\\_dictionary\(\)](#), [print.checklist\\_spelling\(\)](#), [read\\_checklist\(\)](#), [read\\_organisation\(\)](#), [write\\_checklist\(\)](#), [write\\_organisation\(\)](#)

---

execshell                    *Pass command lines to a shell*

---

**Description**

Cross-platform function to pass a command to the shell, using either `base::system()` or (Windows-only) `base::shell()`, depending on the operating system.

**Usage**

```
execshell(commandstring, intern = FALSE, path = ".", ...)
```

**Arguments**

`commandstring`    The system command to be invoked, as a string. Multiple commands can be combined in this single string, e.g. with a multiline string.

`intern`            a logical (not NA) which indicates whether to capture the output of the command as an R character vector.

`path`             The path from where the command string needs to be executed

`...`             Other arguments passed to `base::system()` or `base::shell()`.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

is_repository	<i>Determine if a directory is in a git repository</i>
---------------	--

---

**Description**

The path arguments specifies the directory at which to start the search for a git repository. If it is not a git repository itself, then its parent directory is consulted, then the parent's parent, and so on.

**Usage**

```
is_repository(path = ".")
```

**Arguments**

path            the location of the git repository, see details.

**Value**

TRUE if directory is in a git repository else FALSE

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

is_workdir_clean	<i>Check if the current working directory of a repo is clean</i>
------------------	--

---

**Description**

A clean working directory has no staged, unstaged or untracked files.

**Usage**

```
is_workdir_clean(repo)
```

**Arguments**

repo            The path to the git repository. If the directory is not a repository, parent directories are considered (see [git\\_find](#)). To disable this search, provide the filepath protected with [I\(\)](#). When using this parameter, always explicitly call by name (i.e. repo = ) because future versions of gert may have additional parameters.

**Value**

TRUE when there are no staged, unstaged or untracked files. Otherwise FALSE

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

menu_first	<i>Improved version of menu()</i>
------------	-----------------------------------

---

**Description**

Improved version of menu()

**Usage**

```
menu_first(choices, graphics = FALSE, title = NULL)
```

**Arguments**

choices            a character vector of choices

graphics           a logical indicating whether a graphics menu should be used if available.

title              a character string to be used as the title of the menu. NULL is also accepted.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

new_branch	<i>Create a new branch after cleaning the repo</i>
------------	--

---

**Description**

This functions first runs `clean_git()`. Then it creates the new branch from the (updated) main branch.

**Usage**

```
new_branch(branch, verbose = TRUE, checkout = TRUE, repo = ".")
```

**Arguments**

branch	name of branch to check out
verbose	display some progress info while downloading
checkout	move HEAD to the newly created branch
repo	The path to the git repository. If the directory is not a repository, parent directories are considered (see <a href="#">git_find</a> ). To disable this search, provide the filepath protected with <code>I()</code> . When using this parameter, always explicitly call by name (i.e. <code>repo = </code> ) because future versions of gert may have additional parameters.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

orcid2person	<i>Defunct functions</i>
--------------	--------------------------

---

**Description**

Defunct functions

**Usage**

```
orcid2person()
```

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

organisation	<i>The organisation R6 class</i>
--------------	----------------------------------

---

## Description

A class with the organisation defaults

## Active bindings

as\_person The default organisation funder and rightsholder.  
 get\_community The default organisation Zenodo communities.  
 get\_email The default organisation email.  
 get\_funder The default funder.  
 get\_github The default GitHub organisation domain.  
 get\_organisation The organisation requirements.  
 get\_rightsholder The default rightsholder.  
 template A list for a check list template.

## Methods

### Public methods:

- `organisation$new()`
- `organisation$print()`
- `organisation$clone()`

**Method** `new()`: Initialize a new organisation object.

*Usage:*

```
organisation$new(...)
```

*Arguments:*

... The organisation settings. See the details.

*Details:*

- `github`: the name of the github organisation. Set to `NA_character_` in case you don't want a mandatory github organisation.
- `community`: the mandatory Zenodo community. Defaults to `"inbo"`. Set to `NA_character_` in case you don't want a mandatory community.
- `email`: the e-mail of the organisation. Defaults to `"info@inbo.be"`. Set to `NA_character_` in case you don't want an organisation e-mail.
- `funder`: the funder. Defaults to `"Research Institute for Nature and Forest (INBO)"`. Set to `NA_character_` in case you don't want to set a funder.
- `rightsholder`: the rightsholder. Defaults to `"Research Institute for Nature and Forest (INBO)"`. Set to `NA_character_` in case you don't want to set a rightsholder.

- **organisation**: a named list with one or more organisation default rules. The names of the element must match the e-mail domain name of the organisation. Every element should be a named list containing `affiliation` and `orcid`. `affiliation` is a character vector with the approved organisation names in one or more languages. `orcid = TRUE` indicated a mandatory ORCID for every member. Use an empty list in case you don't want to set this.

**Method** `print()`: Print the organisation object.

*Usage:*

```
organisation$print(...)
```

*Arguments:*

... currently ignored.

**Method** `clone()`: The objects of this class are cloneable with this method.

*Usage:*

```
organisation$clone(deep = FALSE)
```

*Arguments:*

`deep` Whether to make a deep clone.

## See Also

Other class: [checklist](#), [citation\\_meta](#), [spelling](#)

---

```
prepare_ghpages
```

```
Prepare a gh-pages branch with a place holder page
```

---

## Description

Prepare a gh-pages branch with a place holder page

## Usage

```
prepare_ghpages(x = ".", verbose = TRUE)
```

## Arguments

<code>x</code>	Either a <code>checklist</code> object or a path to the source code. Defaults to <code>..</code>
<code>verbose</code>	display some progress info while downloading

## See Also

Other setup: [create\\_package\(\)](#), [create\\_project\(\)](#), [set\\_license\(\)](#), [setup\\_package\(\)](#), [setup\\_project\(\)](#), [setup\\_source\(\)](#)

---

```
print.checklist_spelling
    Display a checklist_spelling summary
```

---

**Description**

Display a checklist\_spelling summary

**Usage**

```
## S3 method for class 'checklist_spelling'
print(x, ...)
```

**Arguments**

x	The checklist_spelling object
...	currently ignored

**See Also**

Other both: [add\\_badges\(\)](#), [check\\_filename\(\)](#), [check\\_lintr\(\)](#), [check\\_spelling\(\)](#), [custom\\_dictionary\(\)](#), [default\\_organisation\(\)](#), [read\\_checklist\(\)](#), [read\\_organisation\(\)](#), [write\\_checklist\(\)](#), [write\\_organisation\(\)](#)

---

```
read_checklist    Read the check list file from a package
```

---

**Description**

The checklist package stores configuration information in the `checklist.yml` file in the root of a project. This function reads this configuration. It is mainly used by the other functions inside the package. If no `checklist.yml` file is found at the path, the function walks upwards through the directory structure until it finds such file. The function returns an error when it reaches the root of the disk without finding a `checklist.yml` file.

**Usage**

```
read_checklist(x = ".")
```

**Arguments**

x	Either a checklist object or a path to the source code. Defaults to ..
---	--

**Value**

A checklist object.

**See Also**

Other both: [add\\_badges\(\)](#), [check\\_filename\(\)](#), [check\\_lintr\(\)](#), [check\\_spelling\(\)](#), [custom\\_dictionary\(\)](#), [default\\_organisation\(\)](#), [print.checklist\\_spelling\(\)](#), [read\\_organisation\(\)](#), [write\\_checklist\(\)](#), [write\\_organisation\(\)](#)

---

read_organisation	<i>Read the organisation file</i>
-------------------	-----------------------------------

---

**Description**

The checklist package stores organisation information in the `organisation.yml` file in the root of a project.

**Usage**

```
read_organisation(x = ".")
```

**Arguments**

`x` Either a checklist object or a path to the source code. Defaults to `..`

**Value**

An organisation object.

**See Also**

Other both: [add\\_badges\(\)](#), [check\\_filename\(\)](#), [check\\_lintr\(\)](#), [check\\_spelling\(\)](#), [custom\\_dictionary\(\)](#), [default\\_organisation\(\)](#), [print.checklist\\_spelling\(\)](#), [read\\_checklist\(\)](#), [write\\_checklist\(\)](#), [write\\_organisation\(\)](#)

---

setup_package	<i>Add or update the checklist infrastructure to an existing package</i>
---------------	--

---

**Description**

Use this function when you have an existing package and you want to use the checklist functionality. Please keep in mind that the checklist is an opinionated list of checks. It might require some breaking changes in your package. Please `DO READ vignette("getting_started")` before running this function.

**Usage**

```
setup_package(path = ".", license = c("GPL-3", "MIT"))
```

**Arguments**

path	The path to the package. Defaults to ".".
license	What type of license should be used? Choice between GPL-3 and MIT. Default GPL-3.

**Details**

What you get with a checklist setup:

- minimal folder structure and files required for an R package using INBO guidelines with GPL-3 or MIT license.
- an RStudio project file
- a local git repository
- an initial NEWS.md file
- a template for an README.Rmd
- set-up for automated checks and releases of the package using GitHub Actions.
- a code of conduct and contributing guidelines.
- the set-up for a pkgdown website using the INBO corporate identity.

**See Also**

Other setup: [create\\_package\(\)](#), [create\\_project\(\)](#), [prepare\\_ghpages\(\)](#), [set\\_license\(\)](#), [setup\\_project\(\)](#), [setup\\_source\(\)](#)

---

setup\_project

*Set-up checklist on an existing R project*

---

**Description**

Use this function to set-up or change the checklist infrastructure for an existing project. The function interactively asks questions to set-up the required checks.

**Usage**

```
setup_project(path = ".")
```

**Arguments**

path	the project root folder
------	-------------------------

**See Also**

Other setup: [create\\_package\(\)](#), [create\\_project\(\)](#), [prepare\\_ghpages\(\)](#), [set\\_license\(\)](#), [setup\\_package\(\)](#), [setup\\_source\(\)](#)

---

setup_source	<i>Add or update the checklist infrastructure to a repository with source files.</i>
--------------	--

---

### Description

This adds the required GitHub workflows to run `check_source()` automatically whenever you push commits to GitHub. It also adds a **CC-BY 4.0** license file, a `CODE_OF_CONDUCT.md` and the checklist configuration file (`checklist.yml`).

### Usage

```
setup_source(path = ".", language = "en-GB")
```

### Arguments

path	The path to the project. Defaults to ".".
language	Language of the project in xx-YY format. xx is the two letter code for the language. YY is the two letter code for the language variant. E.g. en-GB for British English, en-US for American English, nl-BE for Belgian Dutch.

### See Also

Other setup: [create\\_package\(\)](#), [create\\_project\(\)](#), [prepare\\_ghpages\(\)](#), [set\\_license\(\)](#), [setup\\_package\(\)](#), [setup\\_project\(\)](#)

---

set_license	<i>Set the proper license</i>
-------------	-------------------------------

---

### Description

Set the proper license

### Usage

```
set_license(x = ".")
```

### Arguments

x	Either a checklist object or a path to the source code. Defaults to ..
---	--

### See Also

Other setup: [create\\_package\(\)](#), [create\\_project\(\)](#), [prepare\\_ghpages\(\)](#), [setup\\_package\(\)](#), [setup\\_project\(\)](#), [setup\\_source\(\)](#)

---

set_tag	<i>Set a New Tag</i>
---------	----------------------

---

### Description

This function is a part of the GitHub Action. Therefore it only works when run in a GitHub Action on the main or master branch. Otherwise it will only return a message. It sets a new tag at the current commit using the related entry from NEWS.md as message. This tag will turn into a release.

### Usage

```
set_tag(x = ".")
```

### Arguments

x Either a checklist object or a path to the source code. Defaults to ..

### See Also

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

spelling	<i>The spelling R6 class</i>
----------	------------------------------

---

### Description

A class with the configuration for spell checking

### Active bindings

default The default language of the project.  
get\_md The markdown files within the project.  
get\_r The R files within the project.  
get\_rd The Rd files within the project.  
settings A list with current spell checking settings.

## Methods

### Public methods:

- `spelling$new()`
- `spelling$print()`
- `spelling$set_default()`
- `spelling$set_exceptions()`
- `spelling$set_ignore()`
- `spelling$set_other()`
- `spelling$clone()`

**Method** `new()`: Initialize a new spelling object.

*Usage:*

```
spelling$new(language, base_path = ".")
```

*Arguments:*

`language` the default language.

`base_path` the base path of the project

**Method** `print()`: Print the spelling object.

*Usage:*

```
spelling$print(...)
```

*Arguments:*

... currently ignored.

**Method** `set_default()`: Define which files to ignore or to spell check in a different language.

*Usage:*

```
spelling$set_default(language)
```

*Arguments:*

`language` The language.

**Method** `set_exceptions()`: Define which files to ignore or to spell check in a different language.

*Usage:*

```
spelling$set_exceptions()
```

**Method** `set_ignore()`: Manually set the ignore vector. Only use this if you know what you are doing.

*Usage:*

```
spelling$set_ignore(ignore)
```

*Arguments:*

`ignore` The character vector with ignore file patterns.

**Method** `set_other()`: Manually set the other list. Only use this if you know what you are doing.

*Usage:*

```
spelling$set_other(other)
```

*Arguments:*

other a list with file patterns per additional language.

**Method** clone(): The objects of this class are cloneable with this method.

*Usage:*

```
spelling$clone(deep = FALSE)
```

*Arguments:*

deep Whether to make a deep clone.

**See Also**

Other class: [checklist](#), [citation\\_meta](#), [organisation](#)

---

store\_authors

*Store author details for later usage*

---

**Description**

Store author details for later usage

**Usage**

```
store_authors(x = ".")
```

**Arguments**

x Either a checklist object or a path to the source code. Defaults to ..

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

tidy_desc	<i>Make your DESCRIPTION tidy</i>
-----------	-----------------------------------

---

### Description

A tidy DESCRIPTION uses a strict formatting and order of key-value pairs. This function reads the current DESCRIPTION and overwrites it with a tidy version.

### Usage

```
tidy_desc(x = ".")
```

### Arguments

x Either a checklist object or a path to the source code. Defaults to ..

### See Also

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

update_citation	<i>Create or update the citation files</i>
-----------------	--

---

### Description

The function extracts citation meta data from the project. Then it checks the required meta data. Upon success, it writes several files.

### Usage

```
update_citation(x = ".", quiet = FALSE)
```

### Arguments

x Either a checklist object or a path to the source code. Defaults to ..

quiet Whether to print check output during checking.

### Details

- .zenodo.json contains the citation information in the format that **Zenodo** requires.
- CITATION.cff provides the citation information in the format that **GitHub** requires.
- inst/CITATION provides the citation information in the format that R packages require. It is only relevant for packages.

**Value**

An invisible checklist object.

**Note**

Source of the citation meta data:

- package: DESCRIPTION
- project: README.md

Should you want to add more information to the inst/CITATION file, add it to that file outside # begin checklist entry and # end checklist entry.

**See Also**

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [write\\_citation\\_cff\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

use\_author

*Which author to use*

---

**Description**

Reuse existing author information or add a new author. Allows to update existing author information.

**Usage**

```
use_author(email)
```

**Arguments**

email            An optional email address. When given and it matches with a single person, the function immediately returns the information of that person.

**Value**

A data.frame with author information.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

validate_email	<i>Check if a vector contains valid email</i>
----------------	---

---

**Description**

It only checks the format of the text, not if the email address exists.

**Usage**

```
validate_email(email)
```

**Arguments**

email            A vector with email addresses.

**Value**

A logical vector.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_orcid\(\)](#), [yesno\(\)](#)

---

validate_orcid	<i>Validate the structure of an ORCID id</i>
----------------	--

---

**Description**

Checks whether the ORCID has the proper format and the checksum.

**Usage**

```
validate_orcid(orcid)
```

**Arguments**

orcid            A vector of ORCID

**Value**

A logical vector with the same length as the input vector.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [yesno\(\)](#)

---

write_checklist	<i>Write a check list with allowed issues in the source code</i>
-----------------	--

---

**Description**

checklist stores its configuration as a `checklist.yml` file. `create_package()`, `setup_package()` and `setup_source()` generate a default file. If you need to allow some warnings or notes, you need to update the configuration.

**Usage**

```
write_checklist(x = ".")
```

**Arguments**

`x` Either a checklist object or a path to the source code. Defaults to `..`

**Details**

First run `x <- checklist::check_package()` or `x <- checklist::check_source()`. These commands run the checks and store the checklist object in the variable `x`. Next you can store the configuration with `checklist::write_checklist(x)`. This will first list any existing allowed warnings or notes. For every one of them, choose whether you want to keep it or not. Next, the function presents every new warning or note which you may allow or not. If you choose to allow a warning or note, you must provide a motivation. Please provide a sensible motivation. Keep in mind that `checklist.yml` stores these motivations in plain text, so they are visible for other users. We use the `yesno()` function to make sure you carefully read the questions.

**Caveat**

When you allow a warning or note, this warning or note must appear. Otherwise you get a "missing warning" or "missing note" error. So if you fix an allowed warning or note, you need to rerun `checklist::write_checklist(x)` and remove the old version.

If you can solve a warning or note, then solve it rather than to allow it. Only allow a warning or note in case of a generic "problem" that you can't solve. The best example is the checking CRAN incoming feasibility ... NOT which appears when checking a package not on **CRAN**. That is should be an allowed note as long as the package is not on CRAN. Or permanently when your package is not intended for CRAN.

Do not allow a warning or note to fix an issue specific to your machine. That will result in an error when checking the package on another machine (e.g. GitHub actions).

**See Also**

Other both: [add\\_badges\(\)](#), [check\\_filename\(\)](#), [check\\_lintr\(\)](#), [check\\_spelling\(\)](#), [custom\\_dictionary\(\)](#), [default\\_organisation\(\)](#), [print.checklist\\_spelling\(\)](#), [read\\_checklist\(\)](#), [read\\_organisation\(\)](#), [write\\_organisation\(\)](#)

---

write\_citation\_cff      *Write a CITATION.cff file*

---

**Description**

This file format contains the citation information. It is supported by GitHub, Zenodo and Zotero. This function is super-seeded by [update\\_citation\(\)](#).

**Usage**

```
write_citation_cff(x = ".", roles)
```

**Arguments**

x	Either a checklist object or a path to the source code. Defaults to ..
roles	No longer used.

**Value**

An invisible checklist object.

**See Also**

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_zenodo\\_json\(\)](#)

---

write\_organisation      *Write organisation settings*

---

**Description**

Store the organisation rules into `organisation.yml` file. First run `org <- organisation$new()` with the appropriate argument. Next you can store the configuration with `write_organisation(org)`.

**Usage**

```
write_organisation(org, x = ".")
```

**Arguments**

- org            An organisation object. Create it with `organisation$new()`.
- x              Either a checklist object or a path to the source code. Defaults to `..`.

**See Also**

Other both: [add\\_badges\(\)](#), [check\\_filename\(\)](#), [check\\_lintr\(\)](#), [check\\_spelling\(\)](#), [custom\\_dictionary\(\)](#), [default\\_organisation\(\)](#), [print.checklist\\_spelling\(\)](#), [read\\_checklist\(\)](#), [read\\_organisation\(\)](#), [write\\_checklist\(\)](#)

---

write\_zenodo\_json      *Write a .zenodo.json file*

---

**Description**

Zenodo uses the `.zenodo.json` file to define the citation information. See the [Zenodo developers website](#) for more information.

**Usage**

```
write_zenodo_json(x = ".")
```

**Arguments**

- x              Either a checklist object or a path to the source code. Defaults to `..`.

**Value**

An invisible checklist object.

**See Also**

Other package: [check\\_codemeta\(\)](#), [check\\_cran\(\)](#), [check\\_description\(\)](#), [check\\_documentation\(\)](#), [check\\_environment\(\)](#), [check\\_license\(\)](#), [check\\_package\(\)](#), [set\\_tag\(\)](#), [tidy\\_desc\(\)](#), [update\\_citation\(\)](#), [write\\_citation\\_cff\(\)](#)

---

`yesno`*A function that asks a yes or no question to the user*

---

**Description**

A function that asks a yes or no question to the user

**Usage**

```
yesno(...)
```

**Arguments**

...                      Currently ignored

**Value**

A logical where TRUE implies a "yes" answer from the user.

**Author(s)**

Hadley Wickham [Hadley@Rstudio.com](mailto:Hadley@Rstudio.com) Largely based on `devtools:::yesno()`. The user gets three options in an random order: 2 for "no", 1 for "yes". The wording for "yes" and "no" is random as well. This forces the user to carefully read the question.

**See Also**

Other utils: [ask\\_yes\\_no\(\)](#), [bookdown\\_zenodo\(\)](#), [c\\_sort\(\)](#), [clean\\_git\(\)](#), [create\\_hexsticker\(\)](#), [execshell\(\)](#), [is\\_repository\(\)](#), [is\\_workdir\\_clean\(\)](#), [menu\\_first\(\)](#), [new\\_branch\(\)](#), [orcid2person\(\)](#), [store\\_authors\(\)](#), [use\\_author\(\)](#), [validate\\_email\(\)](#), [validate\\_orcid\(\)](#)

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