

Package ‘jsslintr’

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Type Package

Title JSS 'LaTeX'/'BibTeX' Style Checker

Version 1.1.0-2

Description Lints 'LaTeX'/'BibTeX' manuscripts against the Journal of Statistical Software (JSS) style guide. Wraps the same 'Rust' rule engine used by the standalone 'jsslint' binary, the browser/'WASM' build, and the 'Python' binding, exposed to R via 'extendr'.

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Encoding UTF-8

URL <https://github.com/kollerma/jss-style-checker>,
<https://kollerma.github.io/jss-style-checker/>

BugReports <https://github.com/kollerma/jss-style-checker/issues>

SystemRequirements Cargo (Rust's package manager), rustc >= 1.85

Depends R (>= 4.2)

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

Config/rextendr/version 0.3.1

Config/roxygen2/version 8.0.0

NeedsCompilation yes

Author Manuel Koller [aut, cre] (ORCID:
<<https://orcid.org/0000-0002-4159-922X>>),
The authors of the vendored 'Rust' crates [cph] (see inst/AUTHORS for details)

Maintainer Manuel Koller <kollerma@proton.me>

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jssfix	<i>Apply automatic fixes for JSS style issues</i>
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Description

Lints the given files and applies the automatic fixes in place (atomic write; a fix that reintroduces its own violation is rolled back). Use `dry_run = TRUE` to preview the changes as a unified diff without touching the files.

Usage

```
jssfix(  
  files,  
  rules = NULL,  
  dry_run = FALSE,  
  journal = NULL,  
  mode = NULL,  
  ignore_rules = NULL,  
  min_confidence = NULL,  
  verbose = NULL  
)
```

Arguments

files	Character vector of file paths, or a "jsslint" object as returned by <code>jsslint()</code> (its files and lint options are reused).
rules	Character vector of rule ids; when given, only fixes for these rules are applied.
dry_run	If TRUE, show the diff of what would change and write nothing.
journal	Journal identifier (default: "jss").
mode	"author" or "reviewer" (default: "author").
ignore_rules	Character vector of rule ids to suppress.
min_confidence	"low", "medium", or "high".
verbose	Enable diagnostic output on stderr.

Value

Invisibly, an object of class "jsslint_fixes" with data frames applied, skipped, and rejected, plus the unified diff (dry runs only). Printing it summarises what happened.

Examples

```
## Not run:
jssfix(c("paper.tex", "refs.bib"), dry_run = TRUE)
jssfix(c("paper.tex", "refs.bib"))

## End(Not run)
```

jsslint

Check a paper against the JSS style guide

Description

Reads the given manuscript files and lints them against the Journal of Statistical Software style guide. This is the main entry point for interactive use; [render\(\)](#) is the lower-level in-memory binding it wraps.

Usage

```
jsslint(
  files = jss_files(),
  journal = NULL,
  mode = NULL,
  ignore_rules = NULL,
  min_confidence = NULL,
  verbose = NULL
)
```

Arguments

<code>files</code>	Character vector of paths to .tex/.ltx and .bib files, e.g. <code>c("paper.tex", "refs.bib")</code> . Defaults to every such file in the working directory.
<code>journal</code>	Journal identifier (default: "jss").
<code>mode</code>	"author" or "reviewer" (default: "author").
<code>ignore_rules</code>	Character vector of rule ids to suppress.
<code>min_confidence</code>	"low", "medium", or "high".
<code>verbose</code>	Enable diagnostic output on stderr.

Value

An object of class "jsslint". Print it for a quick overview, use [summary\(\)](#) for a by-rule and by-category breakdown, and [as.data.frame\(\)](#) for one row per issue. Pass it to [jssfix\(\)](#) to apply the automatic fixes.

Examples

```
## Not run:
res <- jsslint(c("paper.tex", "refs.bib"))
res
summary(res)
as.data.frame(res)
jssfix(res)

## End(Not run)
```

jss_files	Find manuscript files for a JSS style check
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Description

Lists the .tex, .ltx, and .bib files in a directory – the file set `jsslint()` checks when called without arguments.

Usage

```
jss_files(path = ".")
```

Arguments

path Directory to search (default: the working directory).

Value

A character vector of file paths.

render	Lint files against the JSS style guide
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Description

Mirrors `jsslint::render` (the PyO3 binding) / the WASM binding's `render()`.

Usage

```
render(
  files,
  journal = NULL,
  mode = NULL,
  output = NULL,
  ignore_rules = NULL,
  min_confidence = NULL,
```

```
fail_on = NULL,  
source_root = NULL,  
verbose = NULL  
)
```

Arguments

files	A named character vector: names are file paths (.tex/.ltx/.bib), values are the file contents.
journal	Journal identifier (default: "jss").
mode	"author" or "reviewer" (default: "author").
output	"terminal", "json", "sarif", or "html" (default: "terminal").
ignore_rules	Comma-separated rule ids to suppress.
min_confidence	"low", "medium", or "high".
fail_on	"error", "warning", or "info".
source_root	Base directory for SARIF artifact URIs.
verbose	Enable diagnostic output on stderr.

Value

The rendered report, as a single string.

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