

Package: jsslintr (via r-universe)

October 11, 2026

Type Package

Title JSS 'LaTeX'/'BibTeX' Style Checker

Version 1.2.0

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>

Config/pak/sysreqs libclang-dev

Repository <https://kollerma.r-universe.dev>

Date/Publication 2026-09-10 20:20:02 UTC
RemoteUrl <https://github.com/cran/jsslintr>
RemoteRef HEAD
RemoteSha b34cda3eec699020934586de43318d7b98fced40

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jss_files	<i>Find manuscript files for a JSS style check</i>
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Description

Lists the .tex, .ltx, .bib, .Rnw, and .Rmd 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.

jssfix

*Apply automatic fixes for JSS style issues***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

<code>files</code>	Character vector of file paths, or a "jsslint" object as returned by <code>jsslint()</code> (its files and lint options are reused).
<code>rules</code>	Character vector of rule ids; when given, only fixes for these rules are applied.
<code>dry_run</code>	If TRUE, show the diff of what would change and write nothing.
<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

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)
```

jsslint_version	<i>Versions of the package, engine, and rule set</i>
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Description

The distribution-to-engine-to-rule-set mapping in code (spec 027 item D). package is this R package's version, which may carry a CRAN resubmission suffix (1.2.0-1) that no other channel uses; tool and engine name the compiled core it wraps; ruleset_version is the date of the rule set whose findings — and whose baseline entries — this build produces. docs/versions.md carries the same mapping for every other channel.

Usage

```
jsslint_version()
```

Value

A named list with package, tool, engine, ruleset_version, and guide_source.

Examples

```
jsslint_version()
```

render	<i>Lint files against the JSS style guide</i>
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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

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

Value

The rendered report, as a single string.

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