

# Package ‘glueDo’

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**Type** Package

**Title** Wrapper Functions for the 'glue' Library

**Version** 0.1.0

**Description** Provides convenient wrapper functions around the 'glue' library for common string interpolation tasks. The package simplifies the process of combining 'glue' string templating with common R functions like `message()`, `warning()`, `stop()`, `print()`, `cat()`, and file writing operations. Instead of manually calling `glue()` and then passing the result to these functions, 'glueDo' provides direct wrapper functions that handle both steps in a single call. This is particularly useful for logging, error handling, and formatted output in R scripts and packages. The main reference for the underlying 'glue' package is Hester and Bryan (2022) <<https://CRAN.R-project.org/package=glue>>.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**Imports** glue (>= 1.8.0)

**Depends** R (>= 4.3.0)

**NeedsCompilation** no

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**Description**

These functions are used to pass a glue string to a function and execute it.

**Usage**

```
glue_do(.x, ..., .envir = parent.frame(), .func)
glue_func(.x, .func, ..., .envir = parent.frame())
glue_stop(.x, ..., .envir = parent.frame(), .func = stop)
glue_print(.x, ..., .envir = parent.frame(), .func = print)
glue_message(.x, ..., .envir = parent.frame(), .func = message)
glue_warning(.x, ..., .envir = parent.frame(), .func = warning)
glue_cat(.x, ..., .envir = parent.frame(), .func = cat)
glue_return(.x, ..., .envir = parent.frame(), .func = identity)
glue_write(.x, file, ..., .envir = parent.frame(), .func = writeLines)
```

**Arguments**

<code>.x</code>	The glue string containing expressions to be evaluated.
<code>...</code>	Additional arguments passed to 'glue'.
<code>.envir</code>	The environment where the expressions in the glue string are evaluated. Defaults to 'parent.frame()'.
<code>.func</code>	A function to execute with the result of the evaluated glue string.
<code>file</code>	file file

**Value**

Returns the result of executing '`.func`' with the evaluated glue string.

**Functions**

- `glue_func()`: Executes a custom function with the evaluated glue string.
- `glue_stop()`: Executes the 'stop' function with the evaluated glue string.
- `glue_print()`: Executes the 'print' function with the evaluated glue string.

- `glue_message()`: Executes the 'message' function with the evaluated glue string.
- `glue_warning()`: Executes the 'warning' function with the evaluated glue string.
- `glue_cat()`: Executes the 'cat' function with the evaluated glue string.
- `glue_return()`: Evaluates the glue string and returns the result.
- `glue_write()`: Initializes a file connection and writes the evaluated glue string to it.

**Examples**

```
world <- 'mars'  
glue_message('HELLO {world}!')
```

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