

Package ‘fcuk’

May 8, 2026

Type Package

Title The Ultimate Helper for Clumsy Fingers

Version 0.2.0

Description Automatically suggests a correction when a typo occurs.

License GPL-3

URL <https://thinkr-open.github.io/fcuk/>,

<https://github.com/ThinkR-open/fcuk>

BugReports <https://github.com/ThinkR-open/fcuk/issues>

Depends R (>= 4.1.0)

Imports cli, clisymbols, crayon, rstudioapi, stringdist, utils

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

ByteCompile true

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.3.3

NeedsCompilation no

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Repository CRAN

Date/Publication 2026-02-26 10:20:07 UTC

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| | |
|--------|------------------------------|
| +.fcuk | <i>Rerun with correction</i> |
|--------|------------------------------|

Description

Use the '+' operator with the '.' object to apply a correction.

Usage

```
## S3 method for class 'fcuk'
x + y
```

Arguments

| | |
|---|--|
| x | Blank object of class fcuk. |
| y | An integer corresponding to the position of the proposal to be reused. |

Value

Invisibly returns a blank object.

Examples

```
## Not run:
view(iris) # error
. + 1 # returns View(iris)

## End(Not run)
```

Placeholder object for rerun operator

Description

Use `+.1` or `+.2` to rerun the last command with a suggested correction.

Usage**Format**

An object of class `fcuk` of length 1.

Examples

```
## Not run:
view(iris) # error
. + 1 # returns View(iris)

## End(Not run)
```

`add_fcuk_to_rprofile` *Add library(fcuk) to the .Rprofile file*

Description

After calling this function, `fcuk` will be launched everytime you launch your current R project (or any project if you use option `'global = TRUE'`).

Usage

```
add_fcuk_to_rprofile(global = TRUE)
```

Arguments

`global` Whether to add it to the global `.Rprofile` (`'TRUE'`, the default) or just to the `.Rprofile` file of your current project (`'FALSE'`).

Value

Invisibly returns `'NULL'`.

Examples

```
## Not run:
fcuk::add_fcuk_to_rprofile()

## End(Not run)
```

| | |
|-------------|---|
| catch_error | <i>Capture and parse an error message</i> |
|-------------|---|

Description

Extract the object or function name from an error message.

Usage

```
catch_error(sentence = geterrmessage())
```

Arguments

sentence An error message to parse. Defaults to the last error message.

Value

A character vector with extracted names, or 'character(0)' if no match is found.

Examples

```
catch_error()
catch_error("Error: object 'iri' not found\n")
catch_error("Error: object 'view' not found\n")
```

| | |
|----------------|-----------------------|
| error_analysis | <i>Error Analysis</i> |
|----------------|-----------------------|

Description

Analyse the last error message and suggest corrections.

Usage

```
error_analysis(asked_objjet = catch_error(), n = 2)
```

Arguments

asked_objjet The name to analyse. Defaults to extracting from last error.
n Number of names to suggest (default: 2).

Value

Invisibly returns a string with the suggestions, or 'NULL' if no error could be parsed.

Examples

```
fcuk::error_analysis() # last error is analysed
fcuk::error_analysis("view")
fcuk::error_analysis("iri")
```

error_correction_propostion
Find closest object names

Description

Analyse a typo and suggests the closest names.

Usage

```
error_correction_propostion(asked_objet, method = "jaccard", n = 2)
```

Arguments

| | |
|-------------|--|
| asked_objet | The R name producing an error. |
| method | Method for distance calculation. The default is "jaccard", see [stringdist::stringdist-metrics]. |
| n | Number of corrections to suggest (default: 2). |

Value

A character vector with the closest neighbors, or 'character(0)' if no valid input is provided.

Examples

```
error_correction_propostion("iri")
error_correction_propostion("view")
```

`get_all_objects_from_r`*Extract the name of all objects loaded in the R environments*

Description

Fetch the name of all objects loaded in the environments (functions, values, data...)

Usage

```
get_all_objects_from_r(use_cache = TRUE)
```

```
get_all_objets_from_r(use_cache = TRUE)
```

Arguments

`use_cache` Logical. Use cached results if available (default: TRUE). Cache is invalidated when environment changes.

Value

A character vector with the names of all objects contained in the environments

Examples

```
get_all_objects_from_r()
```

`get_last`*Return corrected instruction*

Description

Get the corrected command at position 'n'.

Usage

```
get_last(n = 1)
```

Arguments

`n` Position of the correction (default: 1).

Value

A character string with the corrected command, or 'NA' if unavailable.

Examples

```
get_last()
```

init_error_tracker *Init error tracker*

Description

After launching this function, every error message will be analysed. This function is called when loading the package.

Usage

```
init_error_tracker()
```

Value

Invisibly returns 'NULL'.

Examples

```
getOption("error")  
fcuk::init_error_tracker()  
getOption("error")
```

remove_error_tracker *Remove error tracker*

Description

After launching this function, the errors will no longer be analysed.

Usage

```
remove_error_tracker()
```

Value

Invisibly returns 'NULL'.

Examples

```
getOption("error")  
fcuk::remove_error_tracker()  
getOption("error")
```

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