Package 'gglogger'

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Type Packag	ie –	
Title Track	ggplot2' Calls	
Version 0.1.	5	
useful t The log	Provides a way to log 'ggplot' component calls, which can be for debugging and understanding how 'ggplot' objects are created. gged calls can be printed, saved, and re-executed to reproduce the l'ggplot' object.	
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+.gg

Override + operator for ggplot objects to log calls

Description

Override + operator for ggplot objects to log calls

Usage

```
## S3 method for class 'gg'
e1 + e2
```

Arguments

e1 A ggplot object.

e2 A layer to add to the ggplot object.

Value

A ggplot object with logged calls.

GGLog-class

GGLog class

Description

The 'GGLog' class is used to store a single ggplot call.

Fields

code A string to store the code of the ggplot call.

Methods

```
evaluate(envir = parent.frame()) Evaluate the log.
    @param envir The environment to evaluate the log in.
stringify() Stringify the log.
    @return A string.
```

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GGLogs-class

GGLogs class

Description

The 'GGLogs' class is used to store logs of ggplot calls. Each log is stored as a 'GGLog' object. The object can be accessed using the '\$logs' field from a ggplot object.

Fields

logs A list to store the logs.

Methods

```
add(log) Add a log to the list.
    @param log A GGLog object.
evaluate(envir = parent.frame()) Evaluate all logs in the list.
    @param envir The environment to evaluate the logs in.
gen_code(setup = "library(ggplot2)") Generate code for all logs in the list.
    @param setup A string to setup the environment.
    @return A string of code.
stringify() Stringify all logs in the list.
    @return A string.
```

ggplot

Override ggplot function to log calls

Description

Override ggplot function to log calls

Usage

```
ggplot(...)
```

Arguments

.. Arguments passed to ggplot2::ggplot.

Value

A ggplot object with logged calls.

4 print.GGLogs

print.GGLog

Print a GGLog object

Description

Print a GGLog object

Usage

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

Arguments

x A GGLog object.

... Additional arguments.

Value

Display the logs and invisibly return the logs.

print.GGLogs

Print a GGLogs object

Description

Print a GGLogs object

Usage

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

Arguments

x A GGLogs object.

... Additional arguments.

Value

Display the logs and invisibly return the logs.

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register	Register a function that returns a ggplot object This is usually implemented by ggplot extensions.

Description

Register a function that returns a ggplot object This is usually implemented by ggplot extensions.

Usage

```
register(f, name = NULL)
```

Arguments

f A function that returns a ggplot object.

name A string to represent the name of the function.

Value

A function that returns a ggplot object with logged calls.

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