

# Package ‘gglogger’

April 14, 2026

**Type** Package

**Title** Track 'ggplot2' Calls

**Version** 0.1.8

**Description** Provides a way to log 'ggplot' component calls, which can be useful for debugging and understanding how 'ggplot' objects are created. The logged calls can be printed, saved, and re-executed to reproduce the original 'ggplot' object.

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**Imports** ggplot2, cli, methods

**Suggests** rlang, testthat, S7

**RoxygenNote** 7.3.3

**Encoding** UTF-8

**URL** <https://github.com/pwwang/gglogger/>

**NeedsCompilation** no

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GGLog-class

*GGLog class*


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### 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*


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### 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.

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ggplot	<i>Override ggplot function to log calls</i>
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**Description**

Override ggplot function to log calls

**Usage**

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

**Arguments**

... Arguments passed to ggplot2::ggplot.

**Value**

A ggplot object with logged calls.

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print.GGLog	<i>Print a GGLog object</i>
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**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.

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print.GGLogs	<i>Print a GGLogs object</i>
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**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	<i>Register a function that returns a ggplot object This is usually implemented by ggplot extensions.</i>
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**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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