

Package ‘ife’

February 15, 2025

Type Package

Title Influence Function Based Estimate Objects

Version 0.1.12

Maintainer Nicholas Williams <ntwilliams.personal@gmail.com>

Description Implements an S7 class for estimates based on influence functions.
Standard arithmetic operations are defined for the class.

License GPL (>= 3)

Encoding UTF-8

Imports cli, generics, S7

RoxygenNote 7.3.2

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

Author Nicholas Williams [aut, cre, cph]
(<<https://orcid.org/0000-0002-1378-4831>>)

Repository CRAN

Date/Publication 2025-02-15 03:30:02 UTC

Contents

ife	2
Index	4

`ife`*Create a new 'influence_func_estimate' object*

Description

Create a new 'influence_func_estimate' object

Usage

```
ife(  
  x,  
  eif,  
  weights = rep(1, length(eif)),  
  id = as.character(1:length(eif)),  
  critical_value = qnorm(0.975)  
)  
  
influence_func_estimate(  
  x,  
  eif,  
  weights = rep(1, length(eif)),  
  id = as.character(1:length(eif)),  
  critical_value = qnorm(0.975)  
)
```

Arguments

<code>x</code>	[numeric(1)] The estimate.
<code>eif</code>	[numeric(n)] The influence function.
<code>weights</code>	[numeric(n)] Optional sampling weights.
<code>id</code>	[character(n)] Optional cluster identifiers.
<code>critical_value</code>	[numeric(1)] Optional critical value for constructing confidence interval.

Value

An 'S7' object of class `influence_func_estimate`.

Examples

```
x <- influence_func_estimate(5, runif(10))
y <- ife(5, runif(10))
x + y
x + 1
1 - y
x / y
x * y
tidy(x)
```

Index

`ife`, 2
`ife_constructor (ife)`, 2
`influence_func_estimate (ife)`, 2