Package: summrt (via r-universe)

May 17, 2026

Title What the Package Does (One Line, Title Case)

Version 0.0.0.9000

Description What the package does (one paragraph).

Website https://github.com/EpiForeSITE/summrt, https://EpiForeSITE.github.io/summrt

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Imports checkmate, cli, ggplot2, tibble

Suggests rtestim, tinytest, EpiNow2, EpiEstim, EpiLPS, rstan, lubridate

Remotes dajmcdon/rtestim

Repository https://epiforesite.r-universe.dev

Date/Publication 2024-10-14 22:38:13 UTC

RemoteUrl https://github.com/EpiForeSITE/summrt

RemoteRef HEAD

RemoteSha f59e63488c6682f7dc711daccddce35f42131f50

Contents

`as_tibble.summrt_summary` *Coerce summrt_summary object to a tibble*

Description

Coerce summrt_summary object to a tibble

Usage

```
## S3 method for class 'summrt_summary'
as_tibble(x, add_pkg_id = FALSE, ...)
```

Arguments

`x`	A `summrt_summary` object
`add_pkg_id`	Logical. Should the `pkg` field be included as a column.
`...`	ignored.

Value

A `tibble::tibble()`

Examples

```
ex <- readRDS(system.file(
  "extdata", "EpiEstim_example.rds", package = "summrt"
))
summ_ex <- summarize_rtestimate(ex)
as_tibble(summ_ex)
as_tibble(summ_ex, add_pkg_id = TRUE)
```

`autoplot.summrt_summary` *Plot a summrt_summary object*

Description

Plot a summrt_summary object

Usage

```
## S3 method for class 'summrt_summary'
autoplot(object, color = "dodgerblue4", add_reference_line = TRUE, ...)
```

Arguments

object	A summrt_summary object
color	A character string giving a color
add_reference_line	Logical. Display a horizontal line at 1.
...	not used.

Value

A ggplot2::ggplot() object.

Examples

```
ex <- readRDS(system.file(
  "extdata", "EpiEstim_example.rds", package = "summrt"
))
summ_ex <- summarize_rtestimate(ex)
autoplot(summ_ex)
autoplot(summ_ex) + ggplot2::coord_cartesian(ylim = c(0, 2))
```

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new_summrt *Create a new summary object*

Description

Creates a new summary object for the summrt package while validating the input.

Usage

```
new_summrt(date, median, lb, ub, level, package, notes)

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

Arguments

date	Integer vector. vector of index dates.
median	Double vector. vector of median values.
lb	Double vector. vector of lower bounds.
ub	Double vector. vector of upper bounds.
level	Double scalar. the confidence level associated with lb/ub
package	String. Name of the package.
notes	String. Notes about the summary.
x	An object of class summrt_summary.
...	Additional arguments passed to methods.

Value

A list of class summrt_summary. with the following components:

- estimates: A tibble with the following columns:
  - date: Integer vector. vector of index dates.
  - median: Double vector. vector of median values.
  - lb: Double vector. vector of lower bounds.
  - ub: Double vector. vector of upper bounds.
- level: Double scalar.
- package: String. Name of the package.
- notes: String. Notes about the summary.

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summarize_rtestimate *Extract Rt estimation from a model fit*

Description

Extract Rt estimation from a model fit

Usage

```
summarize_rtestimate(x, level = 0.95, ..., notes = "")

## Default S3 method:
summarize_rtestimate(x, level = 0.95, ..., notes = "")

## S3 method for class 'cv_poisson_rt'
summarize_rtestimate(
  x,
  level = 0.95,
  lambda = c("lambda.1se", "lambda.min"),
  ...,
  notes = "cv_poisson_rt"
)

## S3 method for class 'poisson_rt'
summarize_rtestimate(x, level = 0.95, lambda = NULL, ..., notes = "poisson_rt")

## S3 method for class 'epinow'
summarize_rtestimate(x, level = 0.95, ..., notes = "")

## S3 method for class 'estimate_R'
summarize_rtestimate(x, level = 0.95, ..., notes = "")

## S3 method for class 'Rt'
summarize_rtestimate(x, level = 0.95, ..., notes = "")
```

Arguments

x	Object to extract Rt from.
level	Confidence level for the confidence interval.
...	Additional arguments passed to methods.
notes	String. Optional notes to add to the summary.
lambda	The Poisson parameter (cv_poisson_rt).

Details

The estimate_R method is for the EpiEstim package. Currently, only levels in 50%, 90% and 95% confidence levels are allowed.

The Rt method is for the EpiLPS package.

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