

Package: RtD3 (via r-universe)

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Title Rt Visualization in D3

Version 0.0.0.9000

Description An R interface for the JavaScript library
rt_vis(<https://github.com/hamishgibbs/rt_vis>).

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Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

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Imports jsonlite, htmlwidgets, geojsonsf, sf, knitr, data.table

Suggests testthat, covr

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Repository <https://epiforecasts.r-universe.dev>

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getSubregionalUrls	<i>Get Subregional Estimate Urls</i>
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Description

Get Subregional Estimate Urls

Usage

```
getSubregionalUrls(path, areas)
```

Arguments

path	A character string container the overall path to subnational estimates
areas	A character vector listing the subregional estimates (assuming that listed in the geoData with capitalisation and without capitalisation in the path).

Value

A named list of subnational urls.

Examples

```
getSubregionalUrls(path = "https://epiforecasts.io/covid/posts/national/",
  areas = c('Afghanistan', 'Brazil', 'Colombia', 'United States'))
```

readInEpiNow2	<i>Read in Results from EpiNow2</i>
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Description

Reads in results from EpiNow2 and converts them into the RtD3 format. Supports either input via a list object or from a file path/url.

Usage

```
readInEpiNow2(input_list, path, region_var = "region")
```

Arguments

input_list	A list of results as returned by EpiNow2::regional_summary
path	A character string indicating the path (either file or URL) to the summary results
region_var	A character string that identifies the region name used.

Value

A named list in the format required by summaryWidget along with a summary table.

Examples

```
# Read in each summary folder

base_path <- "https://raw.githubusercontent.com/epiforecasts/covid-rt-estimates/"
rtData <- readInEpiNow2(
  path = paste0(base_path, "master/national/cases/summary"),
  region_var = "country")

rtData
```

summaryWidget

*summaryWidget***Description**

Create an Rt visualisation using D3

Usage

```
summaryWidget(
  geoData = NULL,
  rtData = NULL,
  activeArea = NULL,
  activeTime = "all",
  runDate = NULL,
  subregional_ref = NULL,
  width = 900,
  elementId = NULL,
  dryRun = FALSE
)
```

Arguments

geoData	sf object, map data
rtData	data.frame, rt estimates in the format 'Source':rtData':x, 'casesInfectionData':x, 'casesReportData':x, 'obsCasesData':x, ...
activeArea	character, the default area to plot.
activeTime	character, the default time window (defaults to 'all')
runDate	character, date of estimate run in the format ('YYYY-MM-DD')
subregional_ref	list, reference to subnational estimates in the format 'country_name':url', ...
width	integer, width in pixels

elementId	string, id of element
dryRun	Logical, defaults to FALSE. Should the function be tested without the widget being created. Useful for checking the integrity of input data.

summaryWidget-shiny	<i>Shiny bindings for summaryWidget</i>
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Description

Output and render functions for using summaryWidget within Shiny applications and interactive Rmd documents.

Usage

```
summaryWidgetOutput(outputId, width = "100%", height = "400px")
```

```
rendersummaryWidget(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

outputId	output variable to read from
width, height	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number, which will be coerced to a string and have 'px' appended.
expr	An expression that generates a Rtd3
env	The environment in which to evaluate expr.
quoted	Is expr a quoted expression (with quote())? This is useful if you want to save an expression in a variable.

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