

# Package: citmre (via r-universe)

September 17, 2024

**Type** Package

**Title** Colombian Index Tool Market Rate Exchange

**Version** 0.1.0.9000

**Description** Downloads the Representative Market Rate Exchange (RMRE) from the <[www.datos.gov.co](http://www.datos.gov.co)> source. Allows setting the data series in time frequencies, splitting the time series through start and end functions, transforming the data set in log returns or levels, and making a Dynamic graph.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Imports** dplyr, httr, jsonlite, lubridate, plotly, rvest, stats, xml2, xts

**RoxygenNote** 7.3.1

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**VignetteBuilder** knitr

**URL** <https://github.com/DavRodEcon/citmre>,  
<https://davrodecon.github.io/citmre/>

**BugReports** <https://github.com/DavRodEcon/citmre/issues>

**Repository** <https://davrodecon.r-universe.dev>

**RemoteUrl** <https://github.com/davrodecon/citmre>

**RemoteRef** HEAD

**RemoteSha** f8ab8fe26cc974d797c4e79c29f026b9a768bdd7

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 rmre\_data

*rmre\_data (Representative Market Rate Exchange) dataset*


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### Description

Download the colombian RMRE source: Portal de Datos Abiertos <[www.datos.gov.co](http://www.datos.gov.co)>

### Usage

```
rmre_data(
  start_date = NULL,
  end_date = NULL,
  log_return = FALSE,
  plot_data = FALSE,
  frequency = 365,
  type = "last_date"
)
```

### Arguments

start_date	An initial date in the "YYYY-MM-DD" type; by default, the series starts on the first date of the resource
end_date	A final date in the "YYYY-MM-DD" form; by default, it shows the updated last date on the resource.
log_return	Show the log return of the RMRE (Representative Market Rate Exchange) dataset; if it is TRUE, show the log return dataset; if it is FALSE, show the level dataset; in default, show the level dataset
plot_data	Show a Plotly linear graph data set; by default, the argument is false, and the graph is built in the Viewer option. You can use the basic plot if the user does not use the plot_data option.
frequency	Show frequencies for the data set in daily (365), month (12), quarter (4), and half-year (2); in default, the dataset is the daily frequency.
type	It works only with 12,4,2 frequencies, showing the dataset using the last date ("last_date") or doing a mean ("mean") in the frequency series. By default, the type is "last_date".

### Value

dataset in xts and zoo type

### Examples

```
# Show full series dataset
rmre_serie <- rmre_data()

# Show monthly dataset with Plotly Graph
```

```
rmre_splited <- rmre_data(frequency = 12, log_return = F, plot_data = T)

# Show quaterly log_return dataset with Plotly Graph
rmre_splited <- rmre_data(frequency = 4, log_return = T, plot_data = T, type = "mean")

# Show splited log return dataset
rmre_splited <- rmre_data("2000-01-01", "2023-12-31", log_return = TRUE)
```

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