



fredr

fredr provides a complete set of R bindings to the Federal Reserve of Economic Data (FRED) RESTful API, provided by the Federal Reserve Bank of St. Louis. The functions allow the user to search for and fetch time series observations as well as associated metadata within the FRED database.

The core function in this package is `fredr()`, which fetches observations for a FRED series. That said, there are many other FRED endpoints exposed through fredr, such as `fredr_series_search_text()`, which allows you to search for a FRED series by text.

We strongly encourage referencing the FRED API documentation to leverage the full power of fredr.

You'll also need a free API key to use fredr. See `?fredr_set_key()`.

Installation

You can download fredr from CRAN with:

```
install.packages("fredr")
```

To get the development version of the package:

```
# install.packages("devtools")
devtools::install_github("sboysel/fredr")
```

COPY LINK

 <https://rdocumentation.org/packages/fredr/>

VERSION

2.1.0



INSTALL

```
install.packages('fredr')
```

MONTHLY DOWNLOADS

2,140



VERSION

2.1.0

LICENSE

MIT + file
LICENSE

ISSUES

1

PULL REQUESTS

0

STARS

65

FORKS

20

REPOSITORY

<https://github.com/sboysel/fredr>

MAINTAINER

 Sam
Boysel

LAST PUBLISHED

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Example

You can use `fredr()` to fetch series from FRED. This fetches the US unemployment rate series from 1990-2000.

```
library(fredr)

fredr(
  series_id = "UNRATE",
  observation_start = as.Date("1990-01-01"),
  observation_end = as.Date("2000-01-01")
)
#> # A tibble: 121 x 5
#>   date          series_id value realtime_start real
#>   <date>      <chr>      <dbl> <date>      <dat
#> 1 1990-01-01 UNRATE      5.4 2021-01-29 2021
#> 2 1990-02-01 UNRATE      5.3 2021-01-29 2021
#> 3 1990-03-01 UNRATE      5.2 2021-01-29 2021
#> 4 1990-04-01 UNRATE      5.4 2021-01-29 2021
#> 5 1990-05-01 UNRATE      5.4 2021-01-29 2021
#> 6 1990-06-01 UNRATE      5.2 2021-01-29 2021
#> 7 1990-07-01 UNRATE      5.5 2021-01-29 2021
#> 8 1990-08-01 UNRATE      5.7 2021-01-29 2021
#> 9 1990-09-01 UNRATE      5.9 2021-01-29 2021
#> 10 1990-10-01 UNRATE      5.9 2021-01-29 2021
#> # ... with 111 more rows
```

Usage

See the [Get started](#) article.

Documentation

See the [documentation site](#).

Restrictions

According to the FRED team, the following data sources do not permit redistribution through the FRED API:

ICE Libor Rates

ICE Swap Rates

LBMA Gold Price: Daily Prices

LBMA Silver Price: Daily Prices

If you need data from any of these sources, it is recommended to download the data directly from the FRED website. The series in these sources can be found [here](#).

Code of Conduct

Please note that the fredr project is released with a [Contributor Code of Conduct](#). By contributing to this project, you agree to abide by its terms.

See Also

There are several other existing R packages designed for the FRED API:

[business-science/tidyquant](#)

[jcizel/FredR](#)

[joshuaulrich/quantmod](#)

[quandl/quandl-r](#)

Functions in fredr (2.1.0)

fredr-package

fredr: An R Client for the 'FRED' API

fredr_series_search_tags

Get the FRED tags for a series search.

fredr_series_observatio...

Get observations of a FRED series

fredr_category_tags

Get the FRED tags for a category

fredr_docs

Open the web documentation for a certain FRED API topic.

fredr_category_related...

Get the related FRED tags within a category

fredr_category_series

Get the series in a category

fredr_release

Get a release of economic data

fredr_release_tags

Get the FRED tags for a release

fredr_release_dates

Get release dates for a single release of economic data

fredr_releases

Get all releases of economic data

fredr_category

Get a FRED category

fredr_series

Return basic information for a FRED series.

fredr_category_children

Get the child categories for a specified FRED parent category

fredr_series_categories

Get the categories for a FRED series

fredr_request

Send a request to the FRED API

fredr_releases_dates

Get release dates for *all* releases of economic data.

fredr_source_releases

Get the releases for a source

fredr_category_related

Get the related categories for a FRED category.

fredr_release_sources

Get the sources for a release of economic data

fredr_release_tables

Get release table trees for a given release

fredr_series_tags

Get the tags for a FRED series

fredr_tags_series

Find FRED series matching tag names

fredr_tags

Get FRED series tags

fredr_release_related_t...

Get the related FRED tags for one or more FRED tags within a release

fredr_release_series

Get the series on a release of economic data

fredr_series_updates

Get a set of recently updated FRED series

fredr_series_search_text

Search for a FRED series.

fredr_series_release

Get the release for a FRED series

fredr_sources

Get *all* sources of economic data

fredr_source

Get a source of economic data

fredr_series_vintagedat...

Get the data vintage dates for a FRED series

fredr-key

FRED API key

fredr_series_search_rel...

Get the related FRED tags for one or more FRED tags matching a series search

fredr_endpoints

List of available FRED API endpoints.

fredr_related_tags

Get related FRED tags given one or more tags

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