FRED® API

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The FRED® API is a web service that allows developers to write programs and build applications that retrieve economic data from the FRED® and ALFRED® websites hosted by the Economic Research Division of the Federal Reserve Bank of St. Louis. Requests can be customized according to data source, release, category, series, and other preferences.

General Documentation

- Overview
- What is FRED®?
- What is ALFRED®?
- FRED® versus ALFRED®
- Real-Time Periods
- Errors

API

Categories

- fred/category - Get a category.
- fred/category/children - Get the child categories for a specified parent category.
- fred/category/related - Get the related categories for a category.
- fred/category/series - Get the series in a category.
- fred/category/tags - Get the tags for a category.
- fred/category/related_tags - Get the related tags for a category.

Releases

- fred/releases - Get all releases of economic data.
- fred/releases/dates - Get release dates for all releases of economic data.
- fred/release - Get a release of economic data.
- fred/release/dates - Get release dates for a release of economic data.
- fred/release/series - Get the series on a release of economic data.
- fred/release/sources - Get the sources for a release of economic data.
- fred/release/tags - Get the tags for a release.
- fred/release/related_tags - Get the related tags for a release.
- fred/release/tables - Get the release tables for a given release.

Series

- fred/series - Get an economic data series.
- fred/series/categories - Get the categories for an economic data series.
- fred/series/observations - Get the **observations or data values** for an economic data series.
- fred/series/release - Get the release for an economic data series.
- fred/series/search - Get economic data series that match keywords.
- fred/series/search/tags - Get the tags for a series search.
- fred/series/search/related_tags - Get the related tags for a series search.
- fred/series/tags - Get the tags for an economic data series.
- fred/series/updates - Get economic data series sorted by when observations were updated on the FRED® server.

- fred/series/vintagedates - Get the dates in history when a series' data values were revised or new data values were released.

Sources

- fred/sources - Get all sources of economic data.
- fred/source - Get a source of economic data.
- fred/source/releases - Get the releases for a source.

Tags

- fred/tags - Get all tags, search for tags, or get tags by name.
- fred/related_tags - Get the related tags for one or more tags.
- fred/tags/series - Get the series matching tags.

Maps API

The FRED® Maps API is a web service that allows developers to write programs and build applications to harvest data and shape files of series available on the maps found in the FRED website hosted by the Economic Research Division of the Federal Reserve Bank of St. Louis. Not all series that are in FRED have geographical data.

- Shape Files
- Series Group Meta
- Series Regional Data
- Regional Data

Toolkits

FRED® API toolkits allow you to write programs that communicate with the FRED® API server. These toolkits know how to structure requests and parse responses. This allows you to focus on setting the options you want while avoiding many technical details.

If you've developed a free open source toolkit for the FRED® API, let us know.

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C#

- rcapel/FRED-API-Toolkit (third-party software, external link)

C++

- nomadbyte/fredcpp (third-party software, external link)

Common Lisp

- plkrueger/CommonLispFred (third-party software, external link)

Deno

- aquinjay/denofred (third-party software, external link)

Go

- nswekosk/fred_go_toolkit (third-party software, external link)

Google Sheets

- Google Sheets template by Michael Ash (UMass Amherst) (third-party software, external link)

Java

- Coherent Logic FRED Client (third-party software, external link)
- PIMCO/fred-client (third-party software, external link)

JavaScript

- Rleahy22/fredApi (third-party software, external link)

Julia

- markushhh/FredApi.jl (third-party software, external link)
- micahjsmith/FredData.jl (third-party software, external link)

.NET

- todasG/Fed.Fred (third-party software, external link)

Node.js

- pastorsj/node-fred (third-party software, external link)

PHP

- FRED® API Toolkit for PHP - Developed and maintained by the Economic Research Division of the Federal Reserve Bank of St. Louis under the BSD license.

Python

- 7astro7/full_fred (third-party software, external link)
- avelkoski/FRB (third-party software, external link)
- gw-moore/pyfredapi (third-party software, external link)
- jjotterson/datapungi_fed (third-party software, external link)
- letsgoexploring/fredpy (third-party software, external link)
- mortada/fredapi (third-party software, external link)
- zachwill/fred (third-party software, external link)

R

- jcizel/FredR (third-party software, external link)
- markushhh/FredApi (third-party software, external link)
- onnokleen/alfred (third-party software, external link)
- sboysel/fredr (third-party software, external link)

Ruby

- DannyBen/fredric (third-party software, external link)
- jonathanchrisp/fredapi (third-party software, external link)
- phuphighter/fred (third-party software, external link)

Rust

- mdsabo/fred-rs, crates/fred-rs (third-party software, external link)

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Questions or Comments

FRED Help

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