

# Package ‘alfred’

January 22, 2021

**Title** Downloading Time Series from ALFRED Database for Various Vintages

**Version** 0.1.11

**Description** Provides direct access to the AL-FRED (<<https://alfred.stlouisfed.org>>) and FRED (<<https://fred.stlouisfed.org>>) databases. Its functions return tidy data frames for different releases of the specified time series. Note that this product uses the FRED© API but is not endorsed or certified by the Federal Reserve Bank of St. Louis.

**Depends** R (>= 3.3.0)

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Imports** dplyr, tidyr, tibble, magrittr, lubridate, jsonlite, rlang, curl

**URL** <https://github.com/onnokleen/alfred/>

**BugReports** <https://github.com/onnokleen/alfred/issues>

**Suggests** testthat, knitr, rmarkdown, ggplot2, covr

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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## R topics documented:

get_alfred_series . . . . .	2
get_fred_series . . . . .	3

<b>Index</b>	<b>4</b>
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get\_alfred\_series      *Accessing ALFRED*

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## Description

This function can pull time series from the ALFRED database: <https://alfred.stlouisfed.org>. Downloading different vintages for performing real-time analysis is provided.

## Usage

```
get_alfred_series(series_id, series_name = NULL,  
                  observation_start = NULL, observation_end = NULL,  
                  realtime_start = NULL, realtime_end = NULL)
```

## Arguments

series_id	FRED times series ID.
series_name	Choose a name for the series column in output. Default: series_id.
observation_start	Date of first observation in "yyyy-mm-dd" format. Default: Earliest observation available.
observation_end	Date of last observation in "yyyy-mm-dd" format. Default: Last observation available.
realtime_start	Date of first real time period in "yyyy-mm-dd" format. Default: First vintage date available.
realtime_end	Date of last real time period in "yyyy-mm-dd" format. Default: Last vintage date available.

## Details

FRED time series IDs can be found on the respective site in ALFRED, e.g. <https://alfred.stlouisfed.org/series?seid=CPIAUCSL>.

## Examples

```
## Not run:  
  get_alfred_series("INDPRO", "indpro")  
  
## End(Not run)  
get_alfred_series("INDPRO", "indpro", realtime_start = "2008-10-31", realtime_end = "2009-10-31")
```

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get_fred_series	<i>Accessing FRED</i>
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**Description**

This function can pull time series from the FRED database: <https://fred.stlouisfed.org>.

**Usage**

```
get_fred_series(series_id, series_name = NULL,  
               observation_start = NULL, observation_end = NULL)
```

**Arguments**

series_id	FRED times series ID.
series_name	Choose a name for the series column in output. Default: series_id.
observation_start	Date of first observation in "yyyy-mm-dd" format. Default: Earliest observation available.
observation_end	Date of last observation in "yyyy-mm-dd" format. Default: Last observation available.

**Examples**

```
get_fred_series("INDPRO", "indpro")
```

# Index

- \* **alfred**
  - get\_alfred\_series, 2
- \* **fred**
  - get\_fred\_series, 3

get\_alfred\_series, 2  
get\_fred\_series, 3